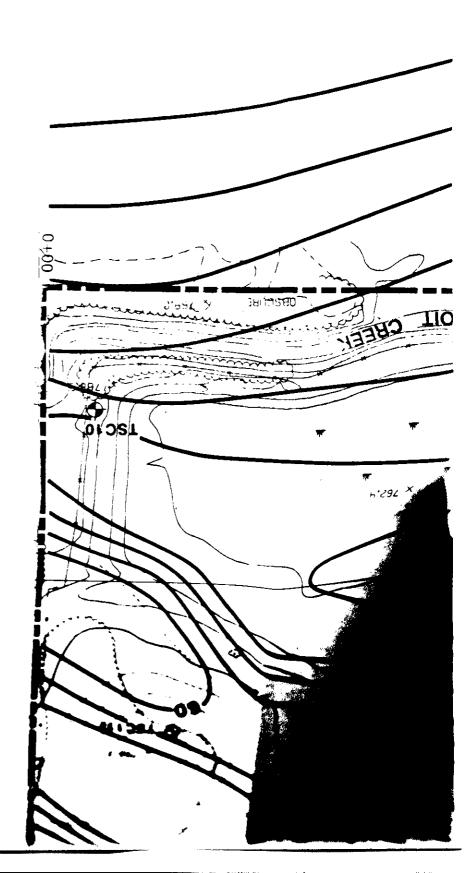
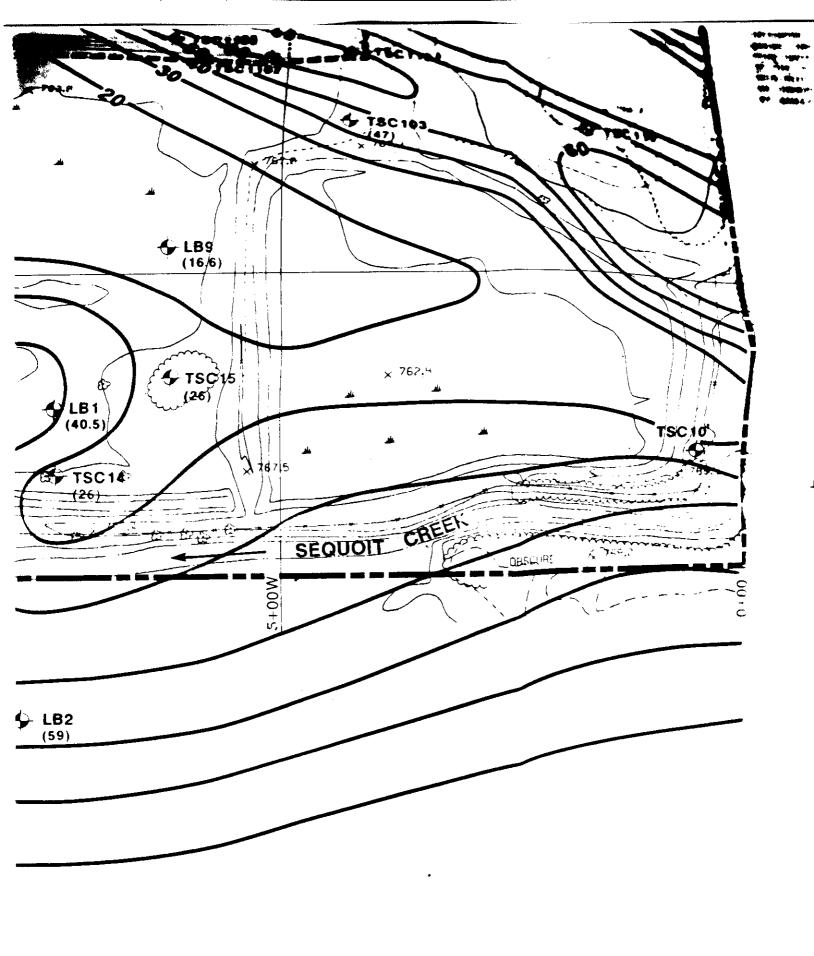
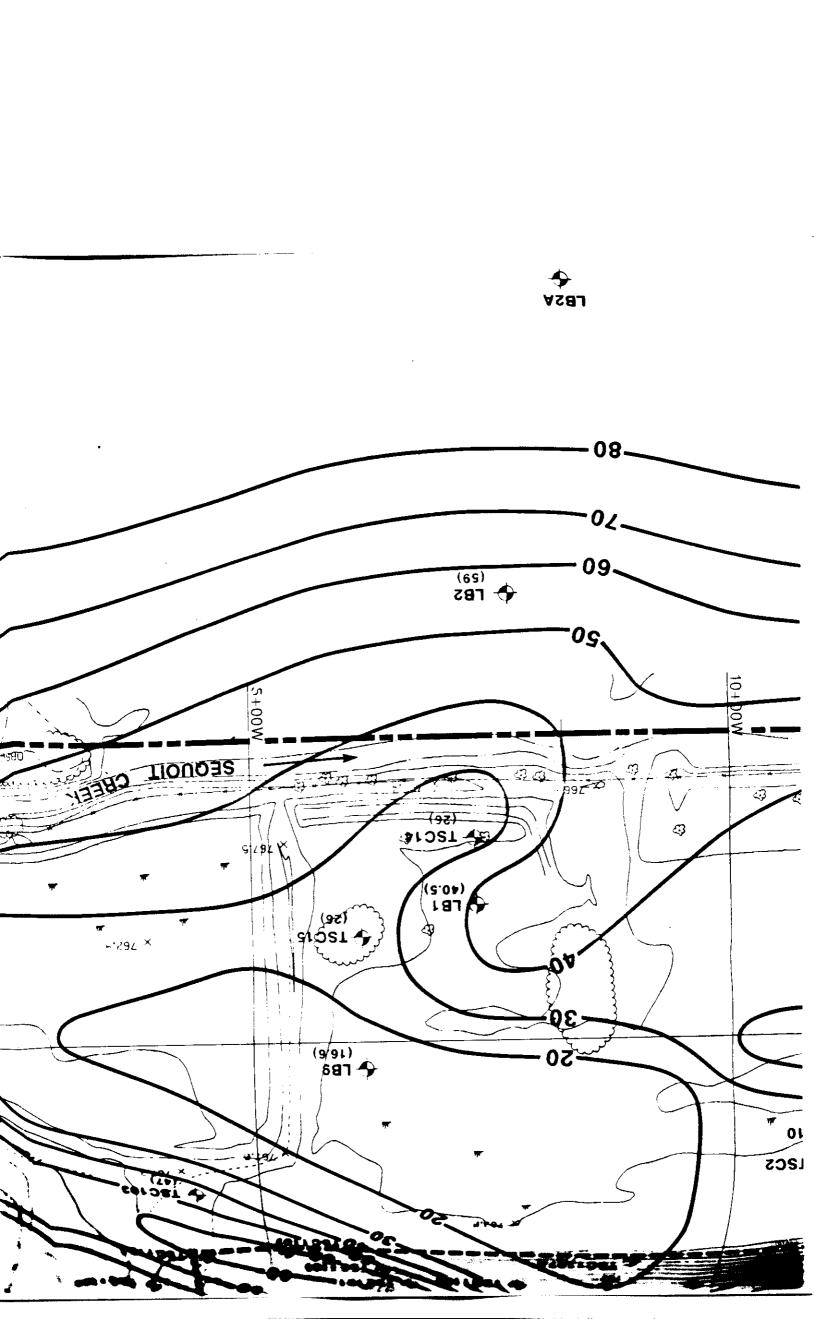


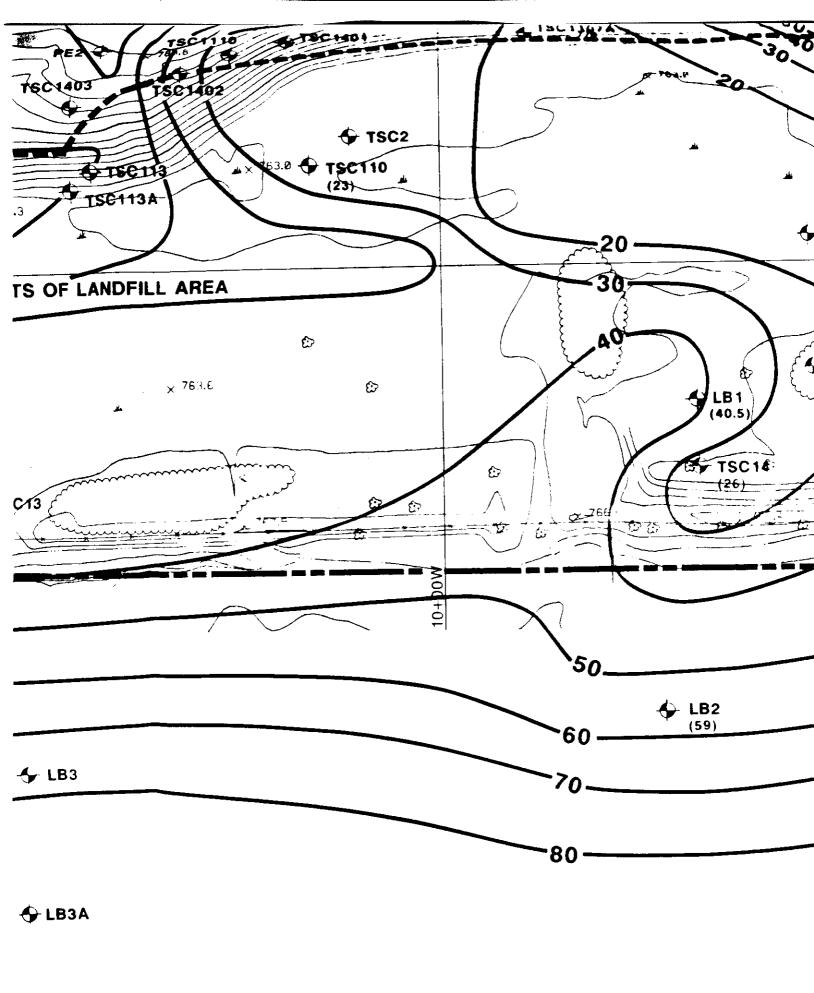
arsu 🐴



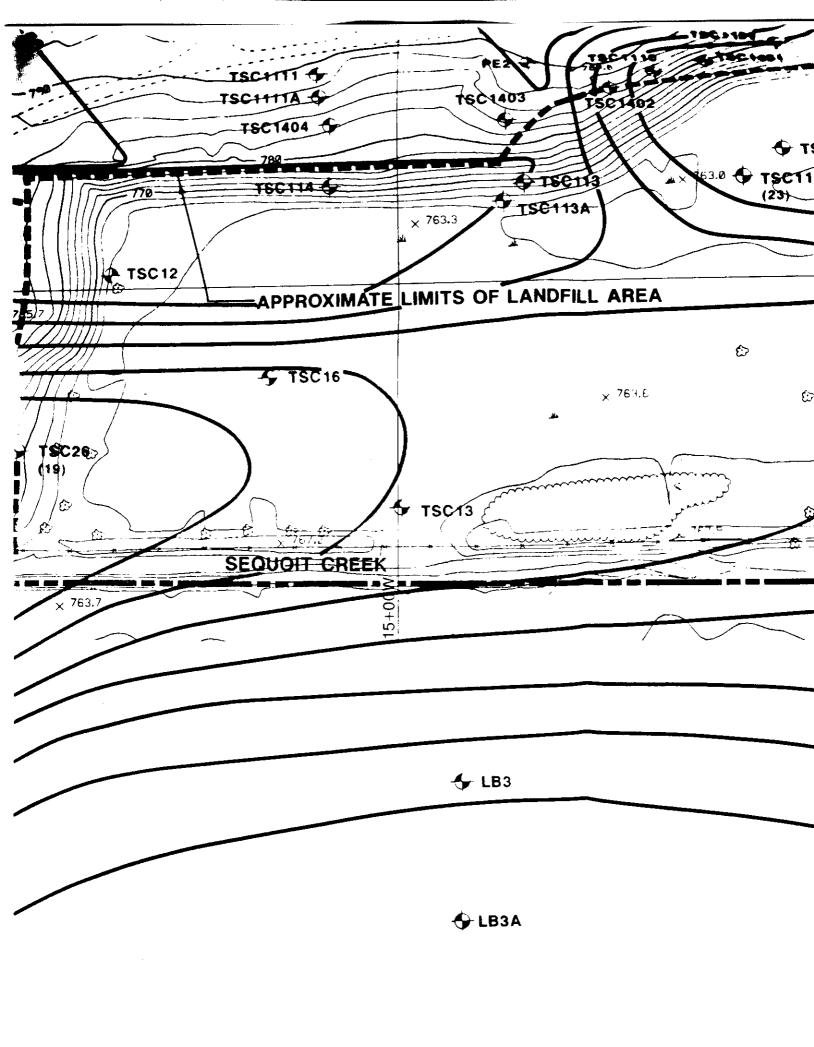
THE THE PROPERTY OF THE PROPER

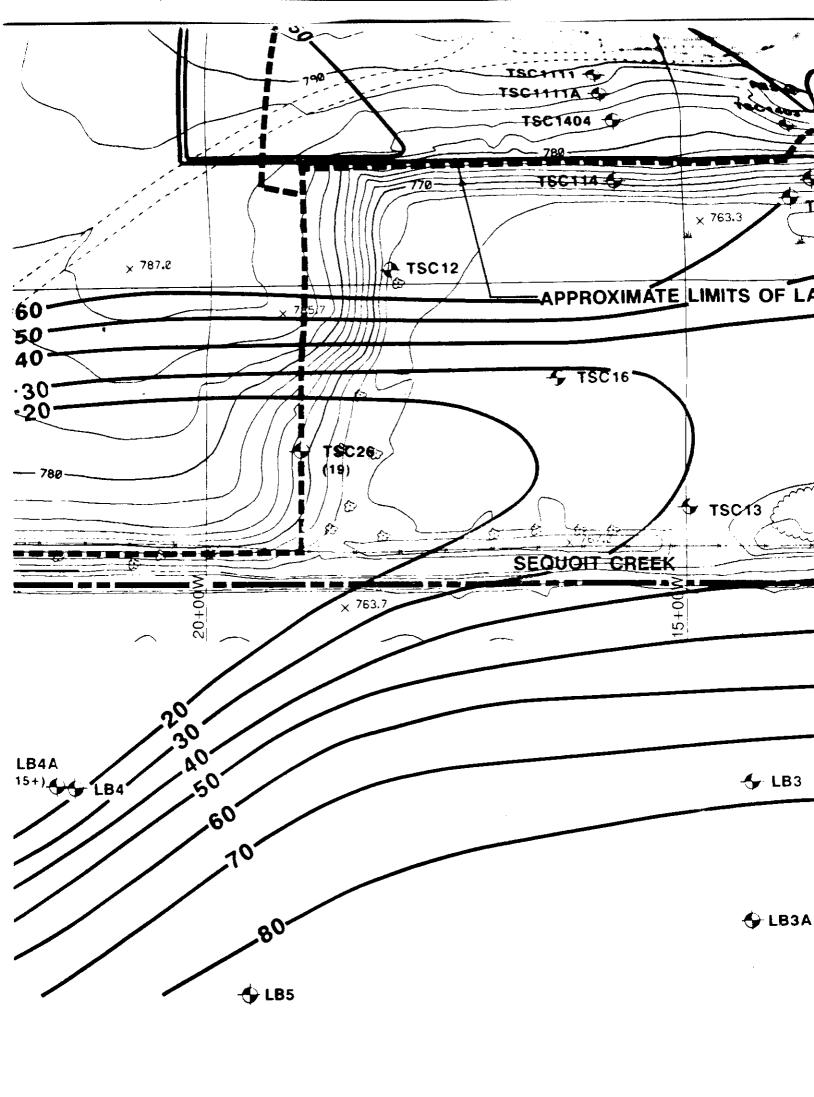


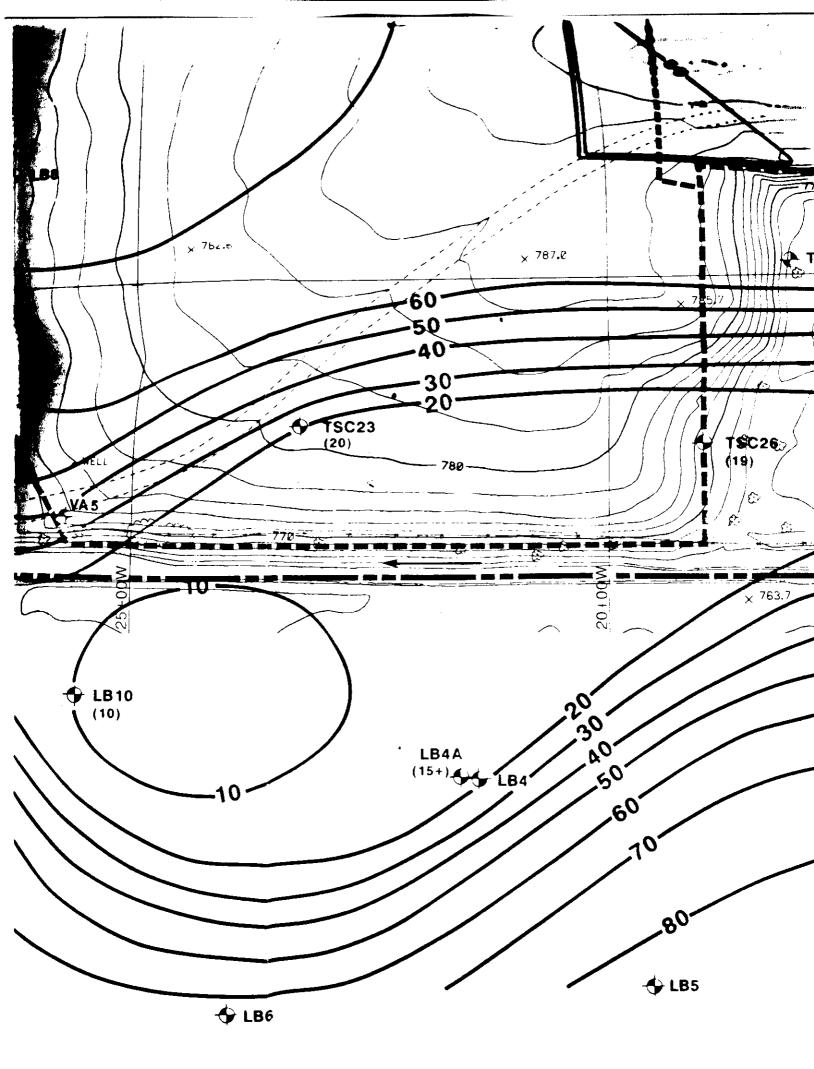


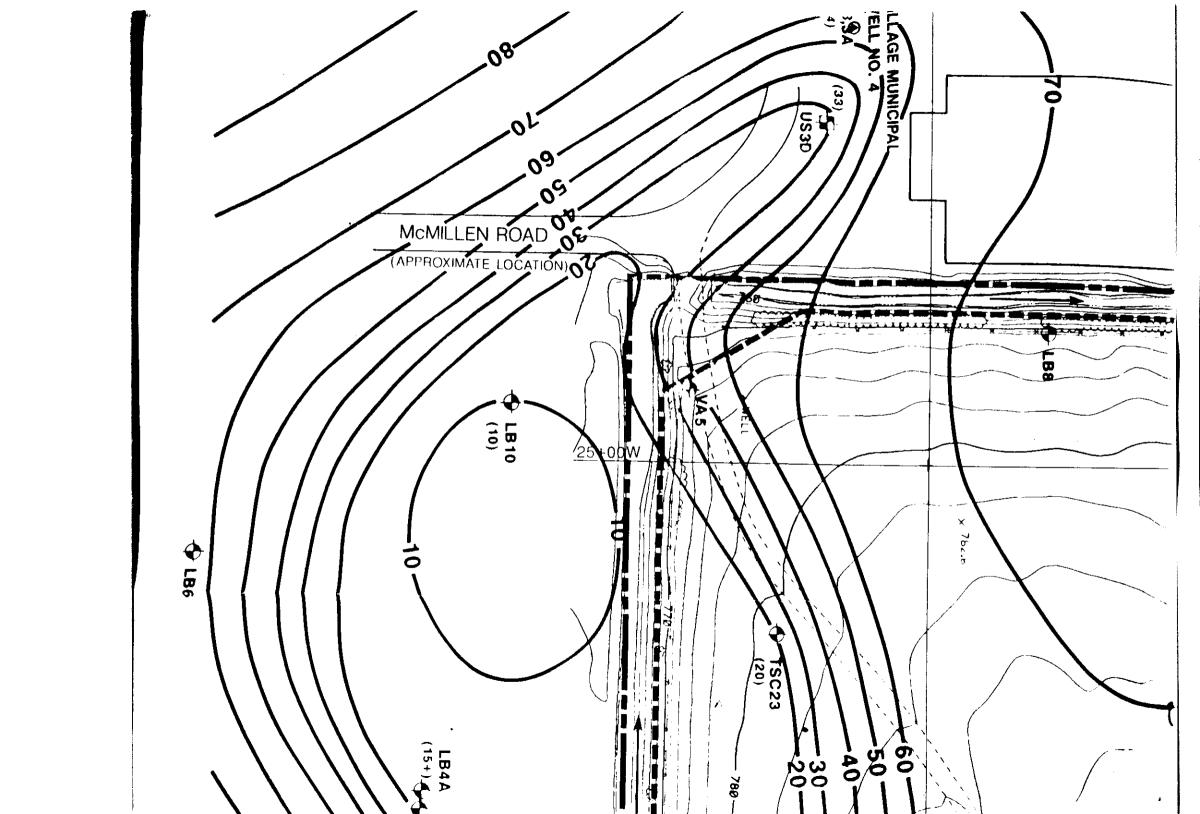


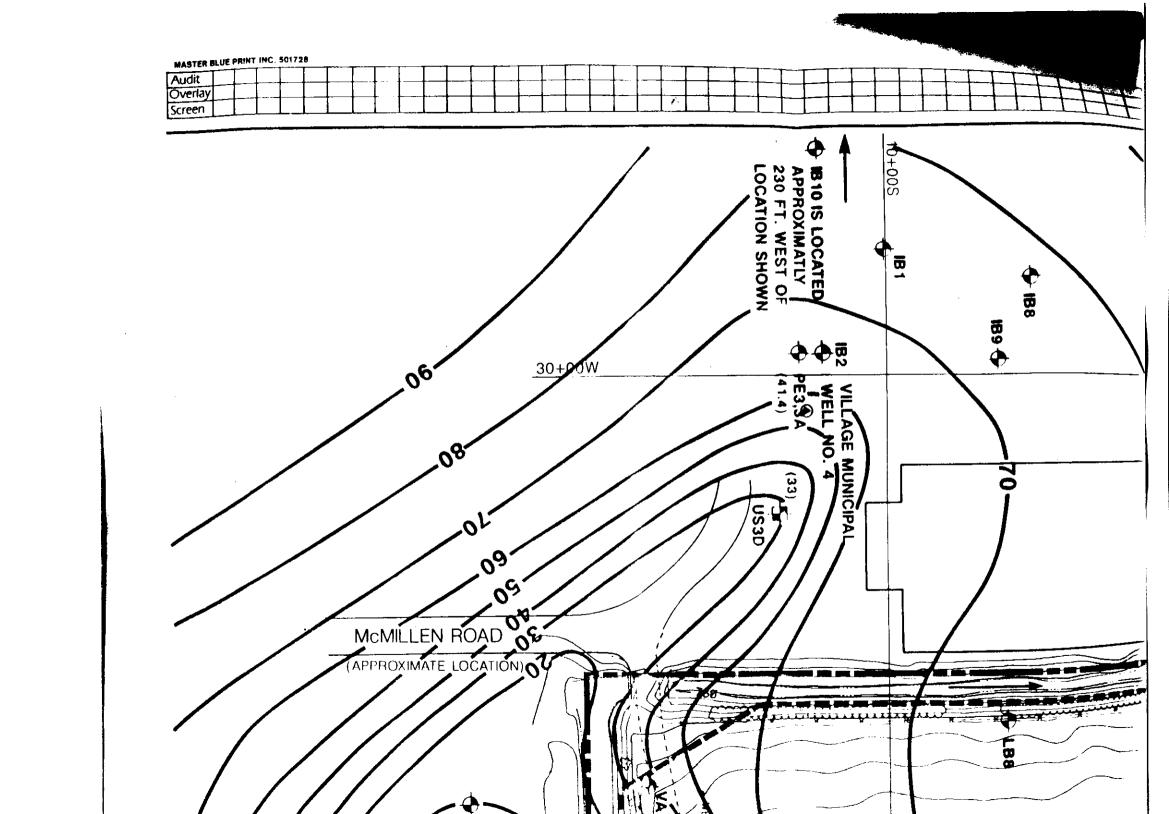
LB2A

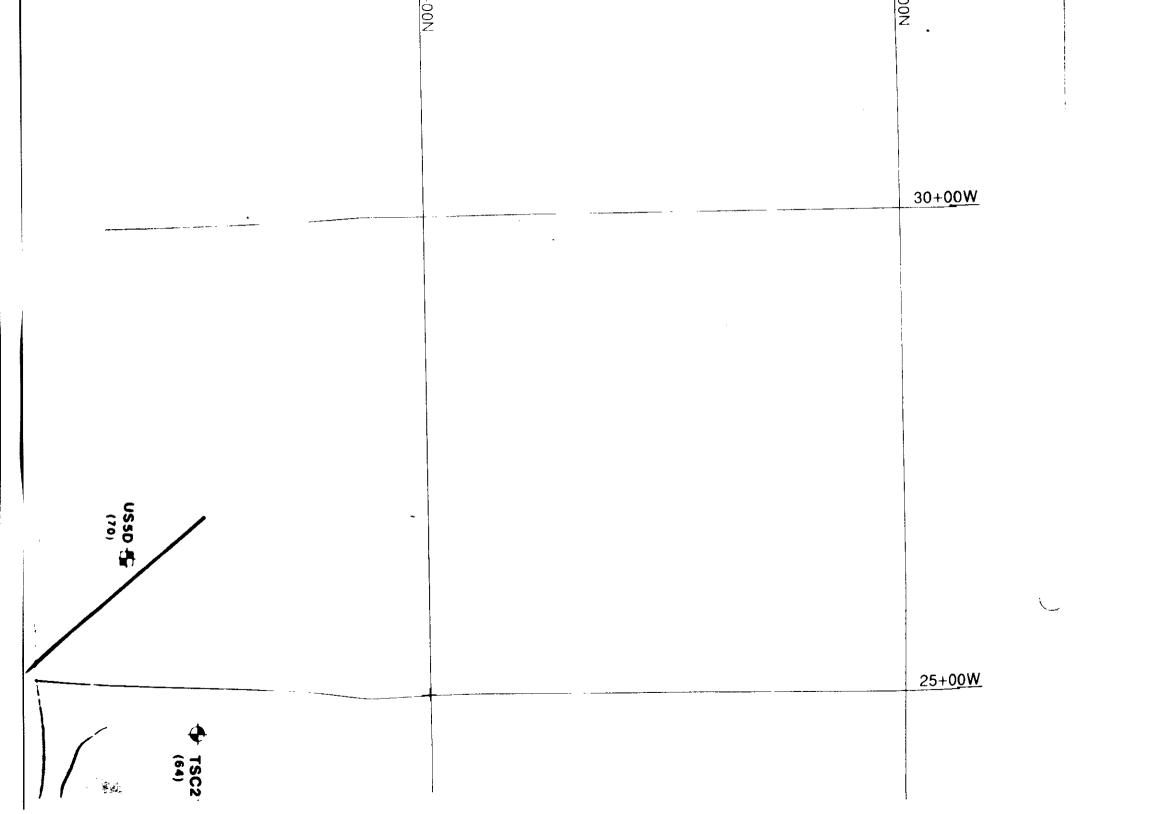


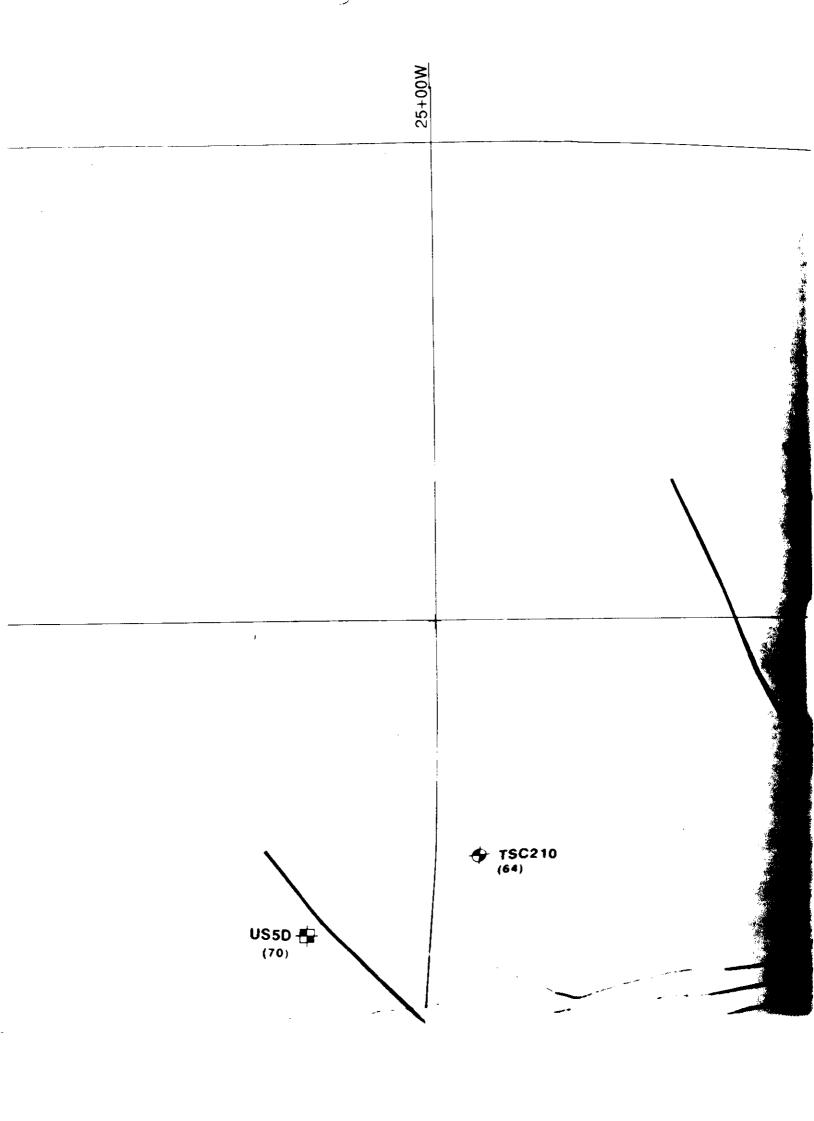


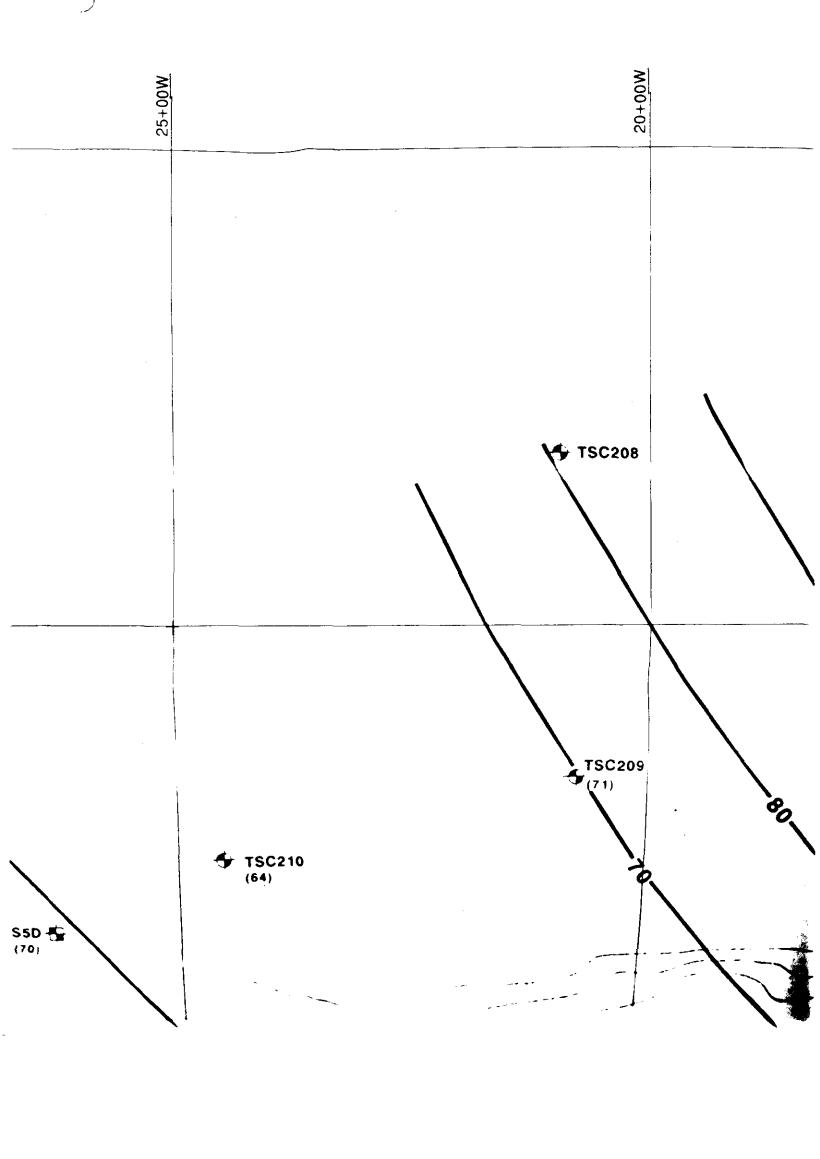


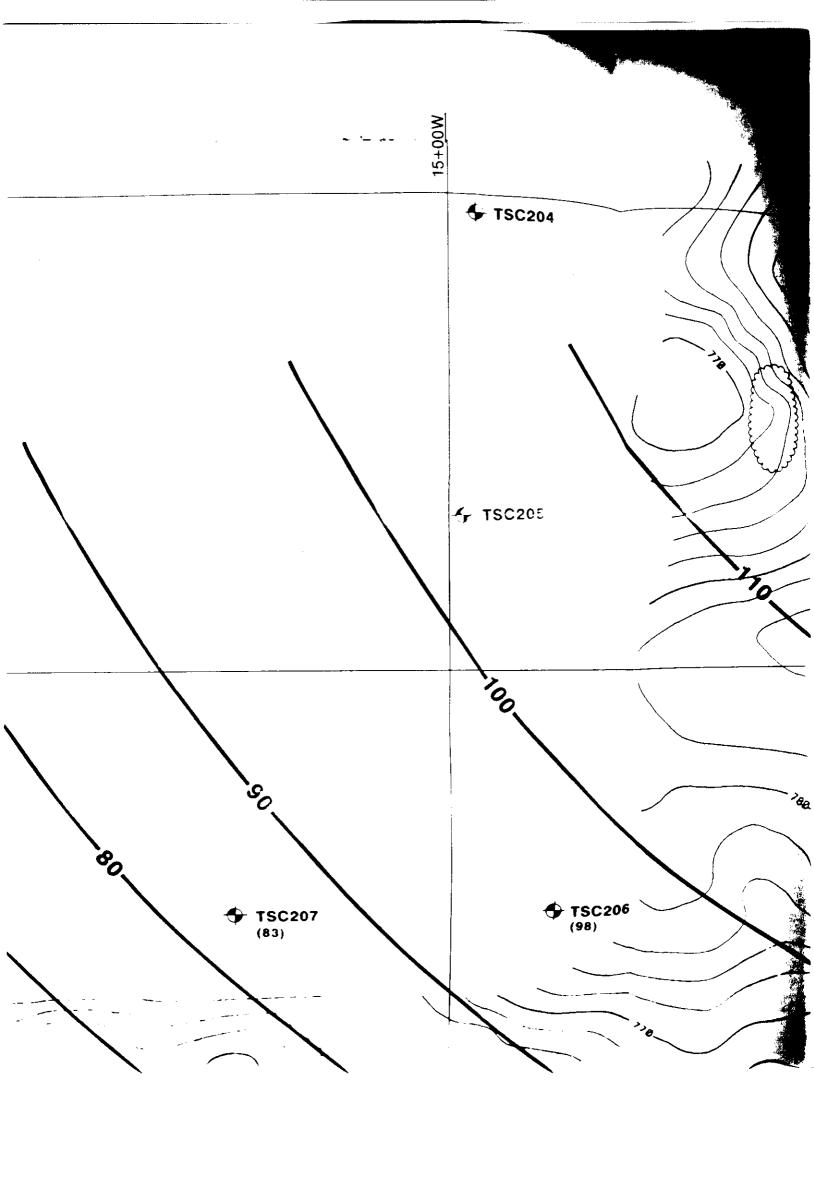


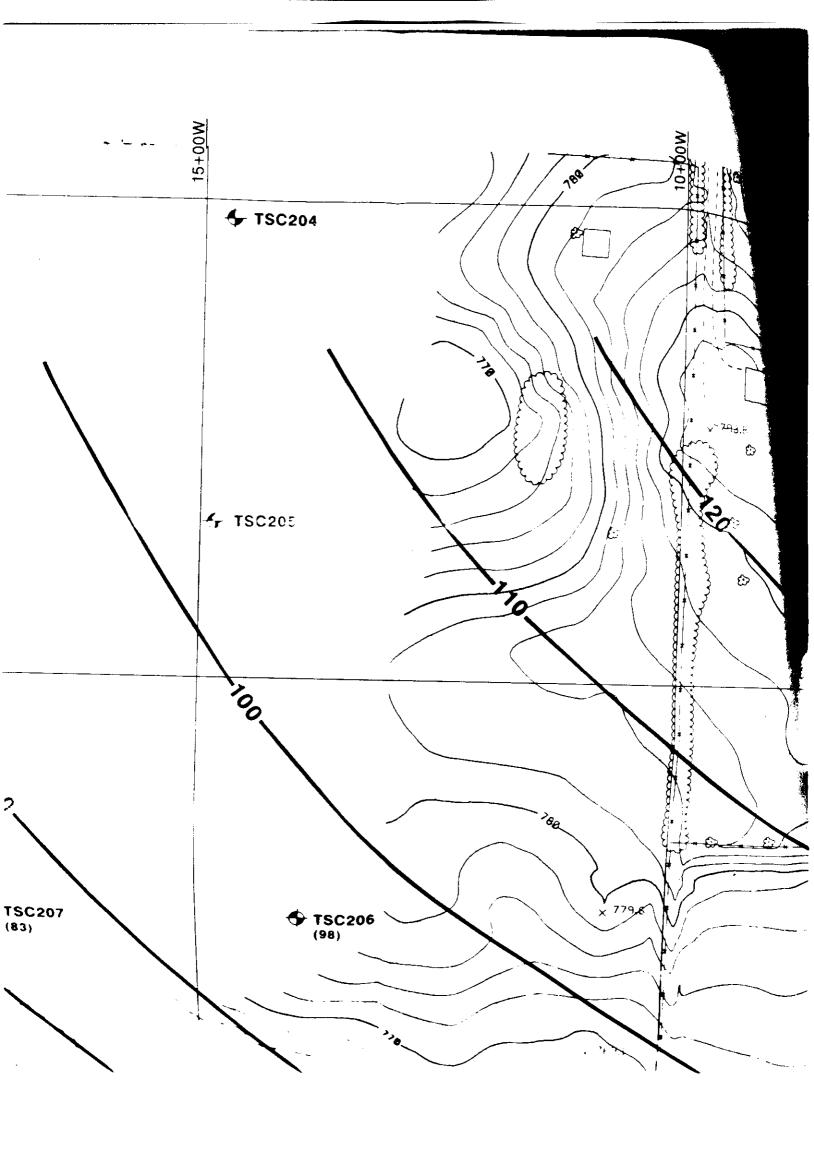


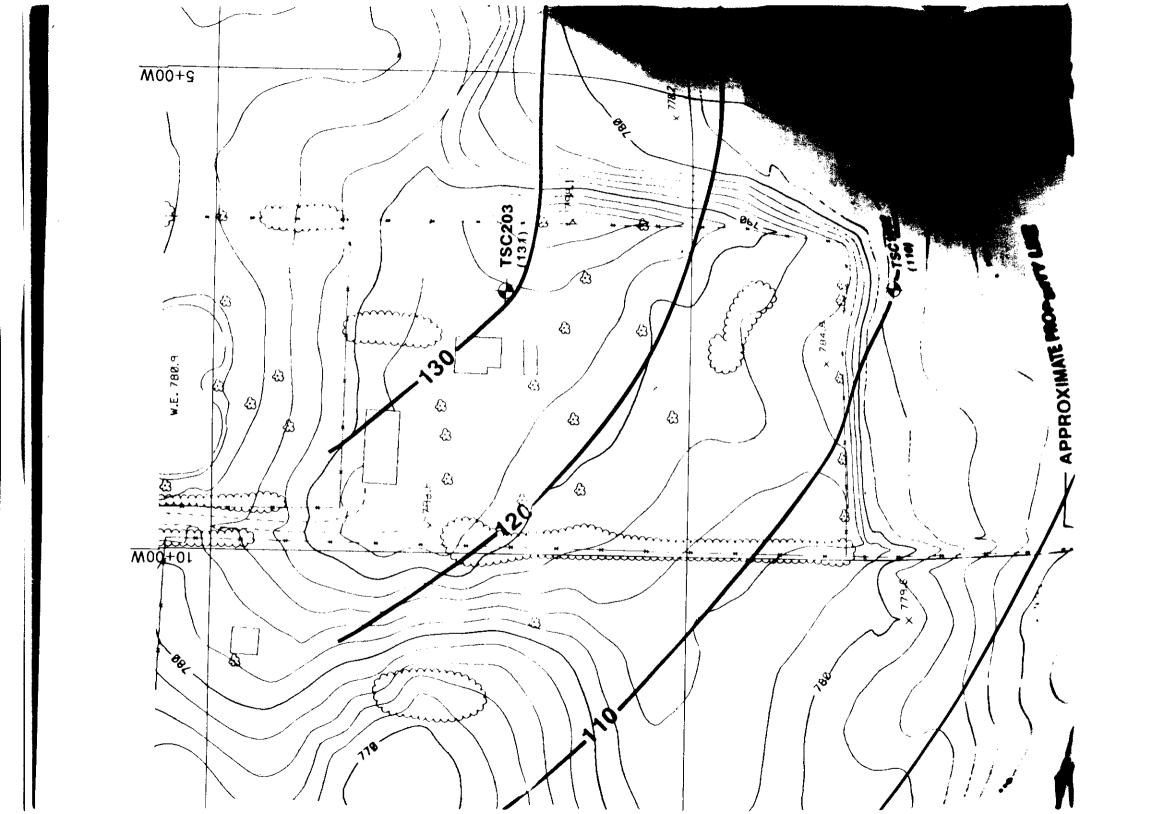


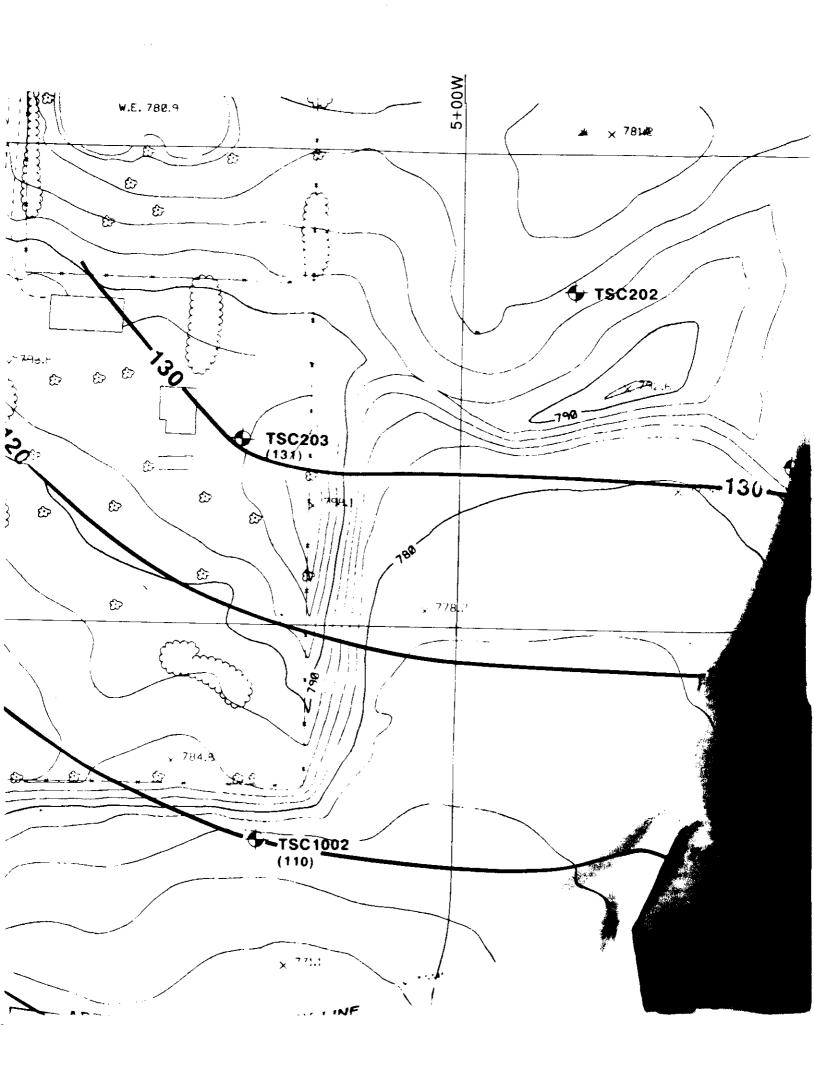


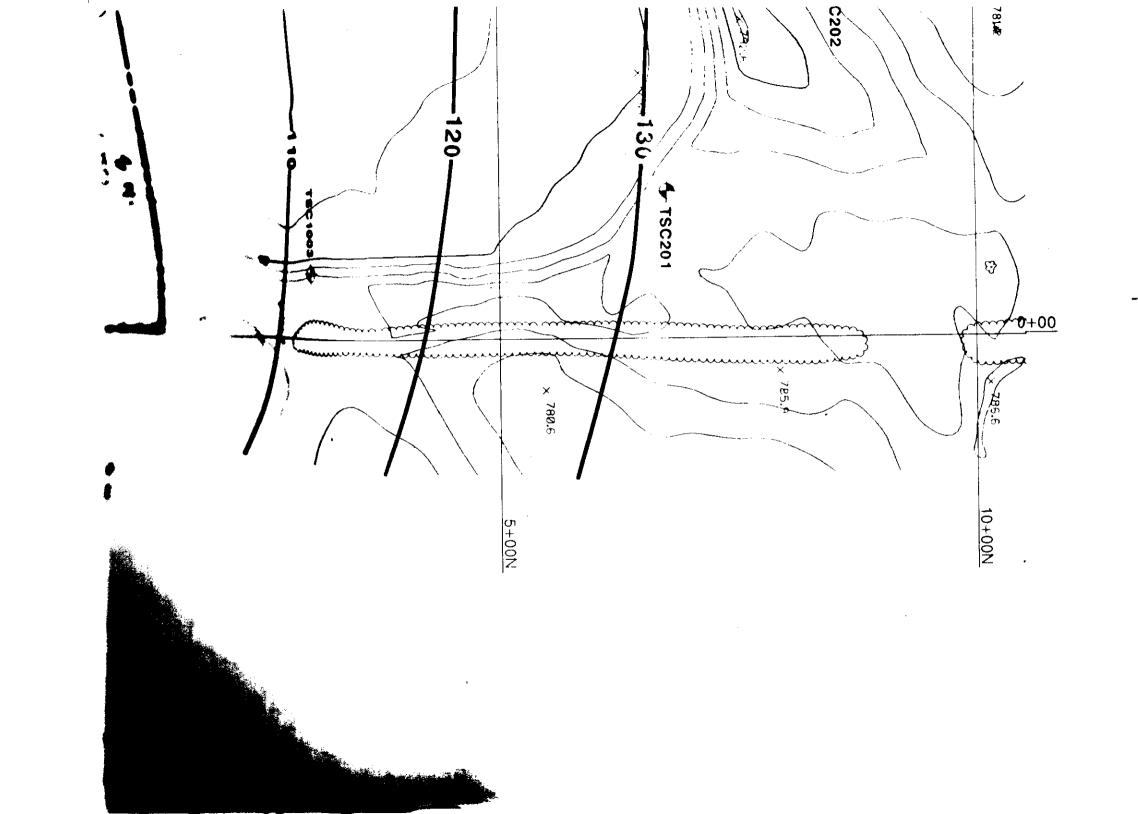


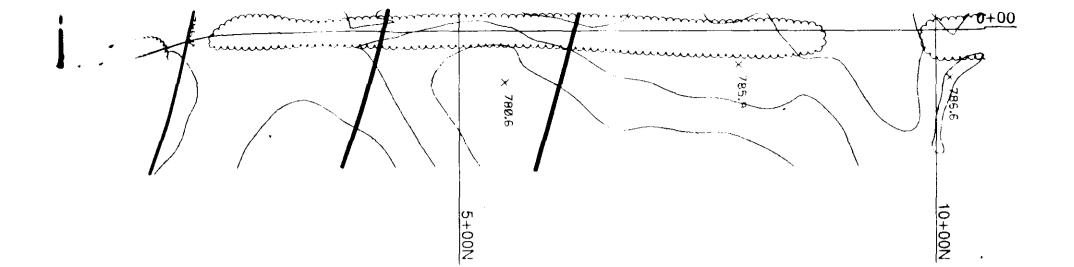








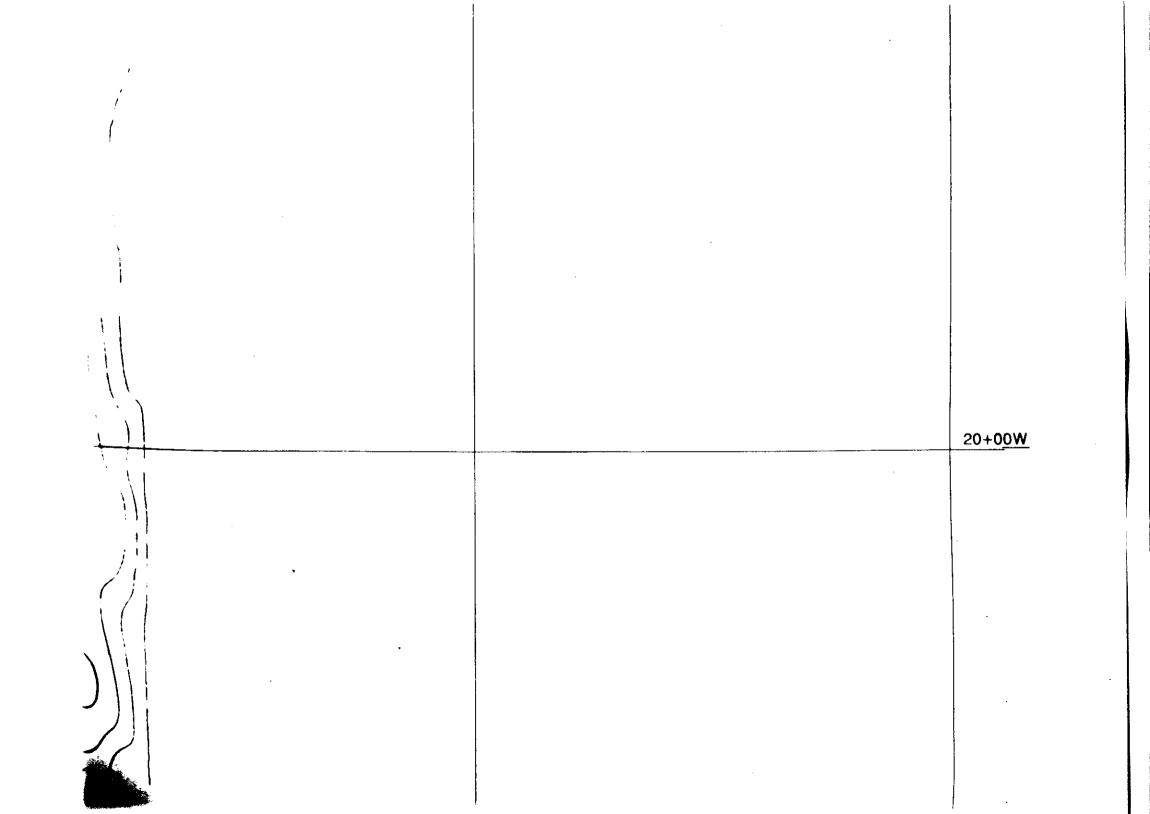




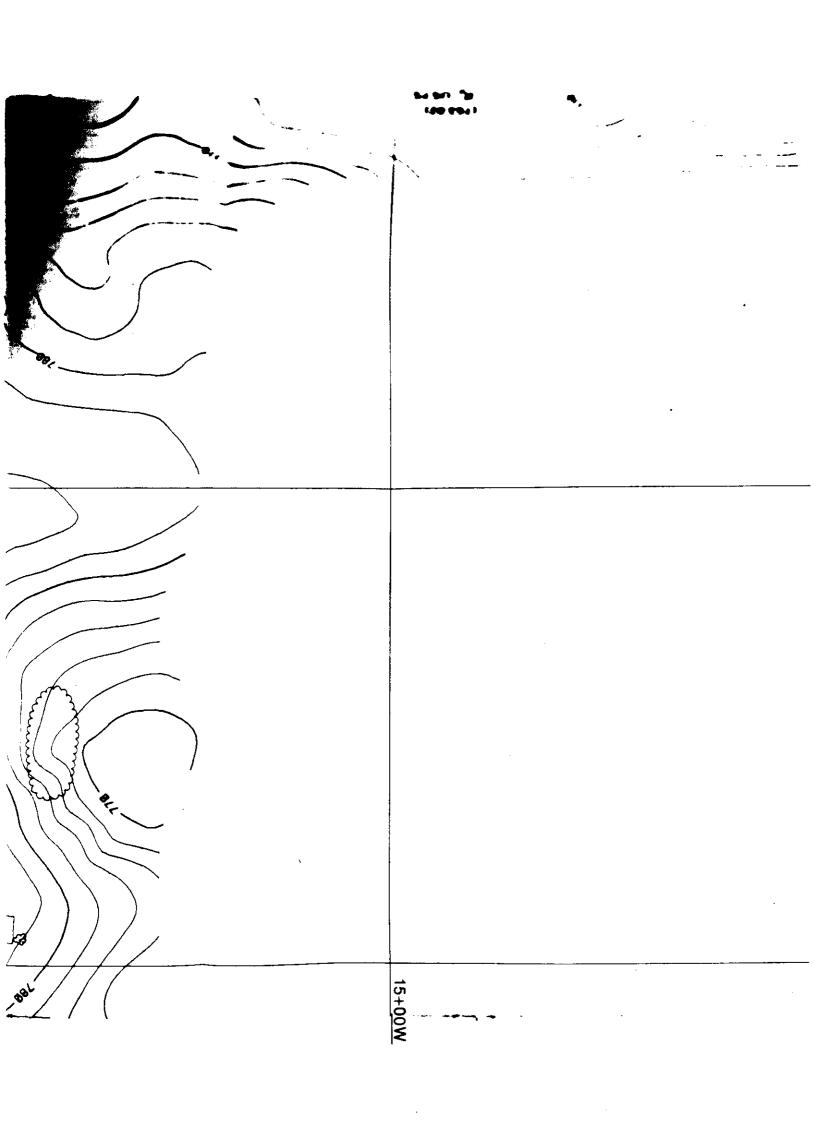
Appa	WARZYN	Designed By:	Drawn By: JC, DLF	Checked By:
	WARZYN ENGINEERING INC.	Approved By:		Date:
				Reference:
				······································
		© 1988 • Warzyn Engineering Inc. • All Rights Reserved.		

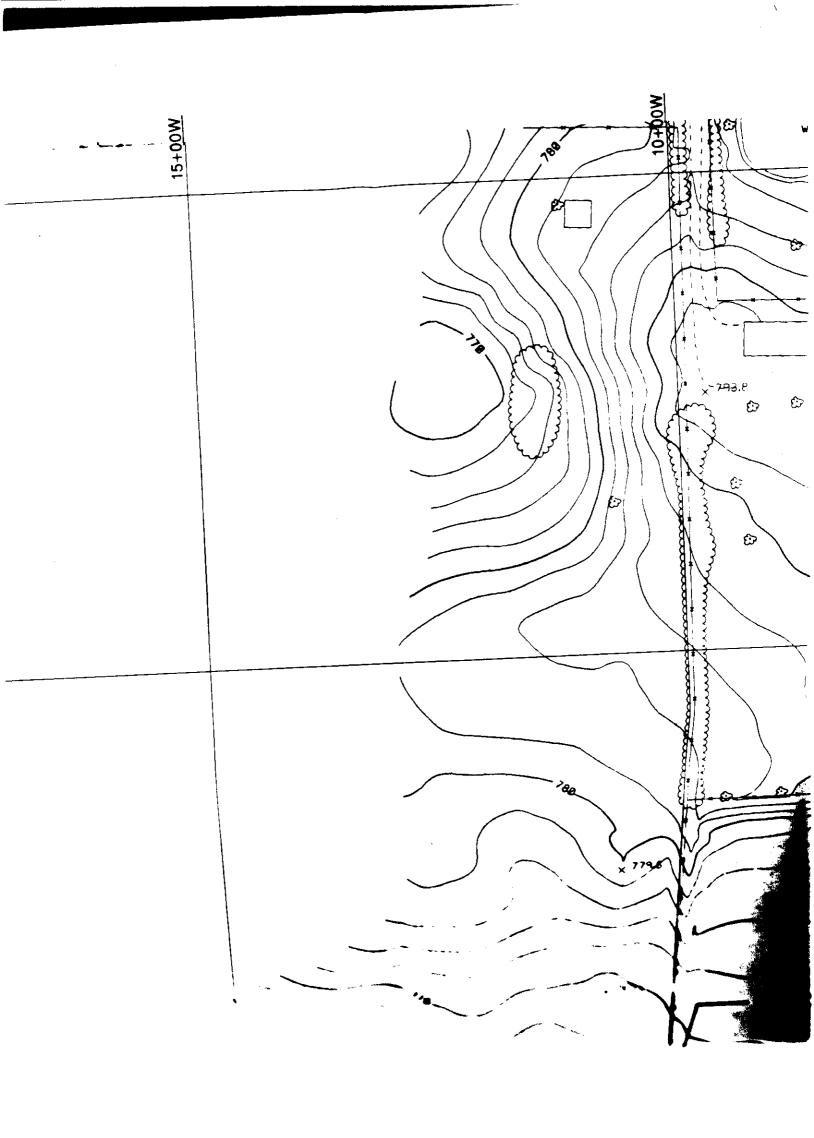
		30+00W
	-	
•		
	•	
- 13-		
USSD		
		25+0 <u>0W</u>
/		

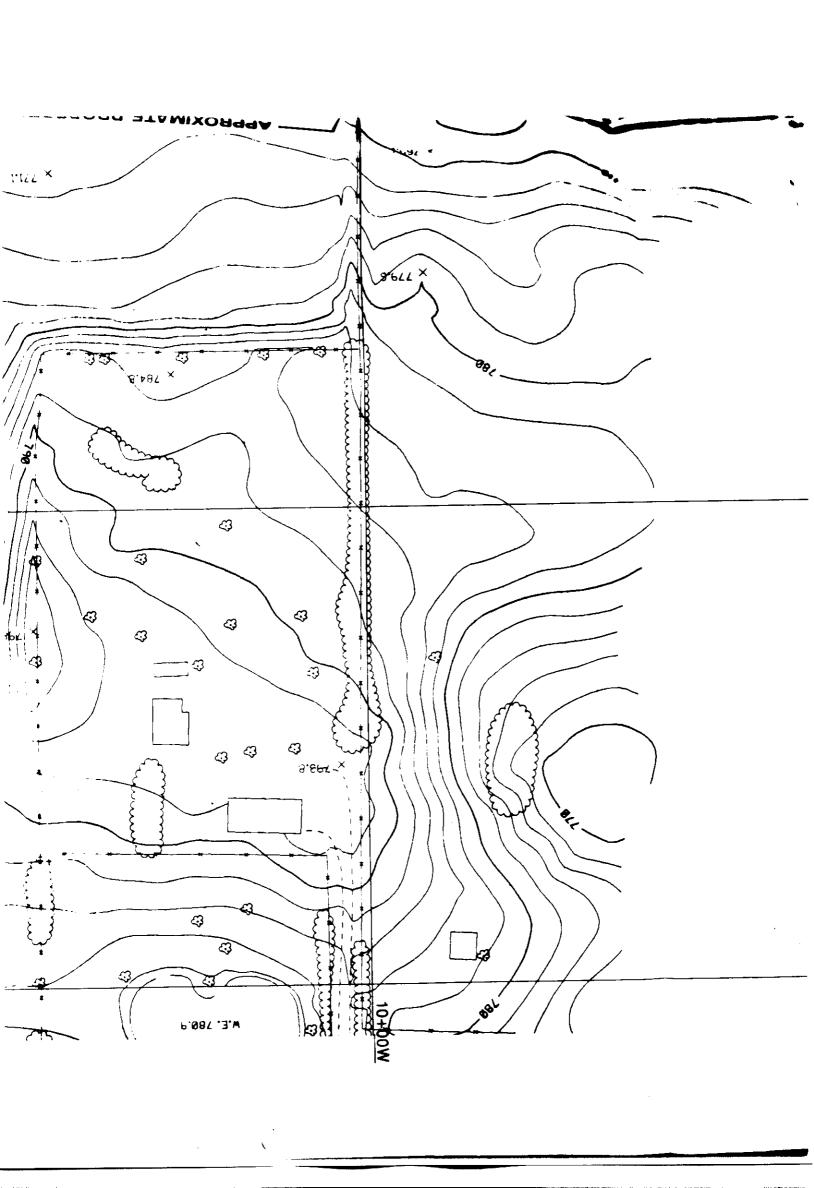
USSD The state of	
	25+0 <u>0W</u>
	20+00W

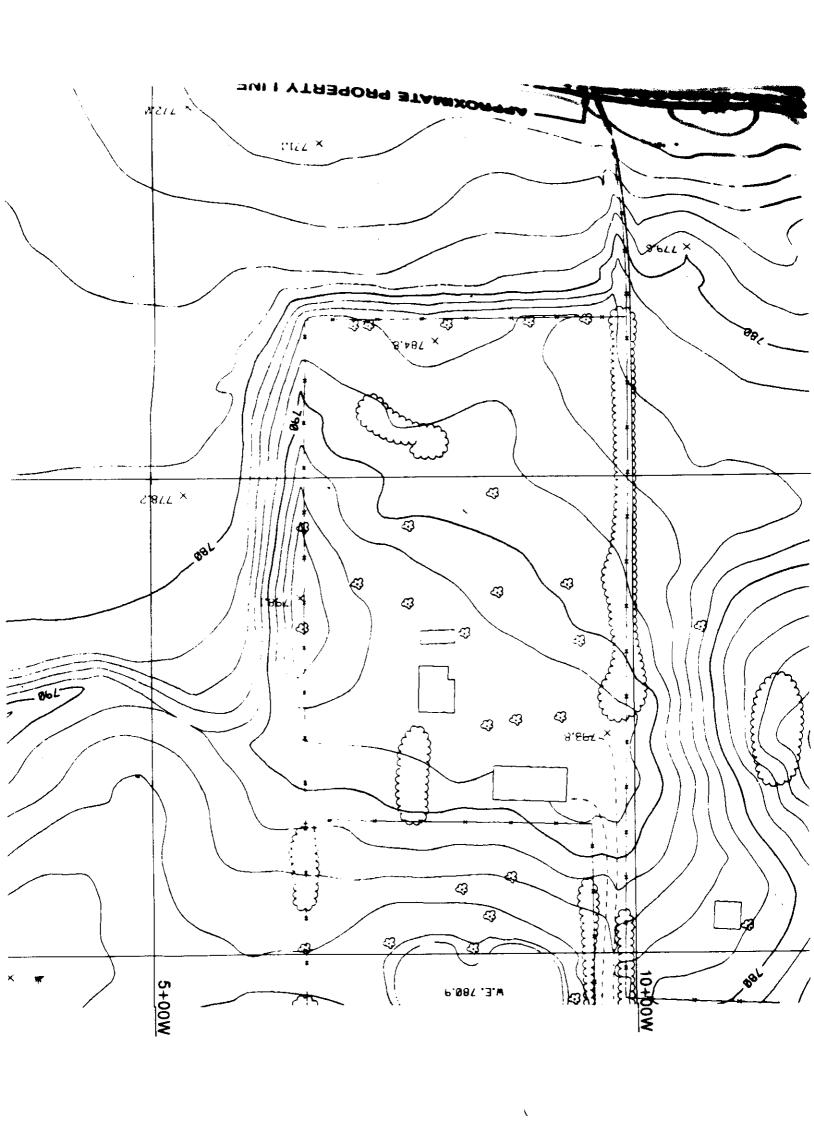


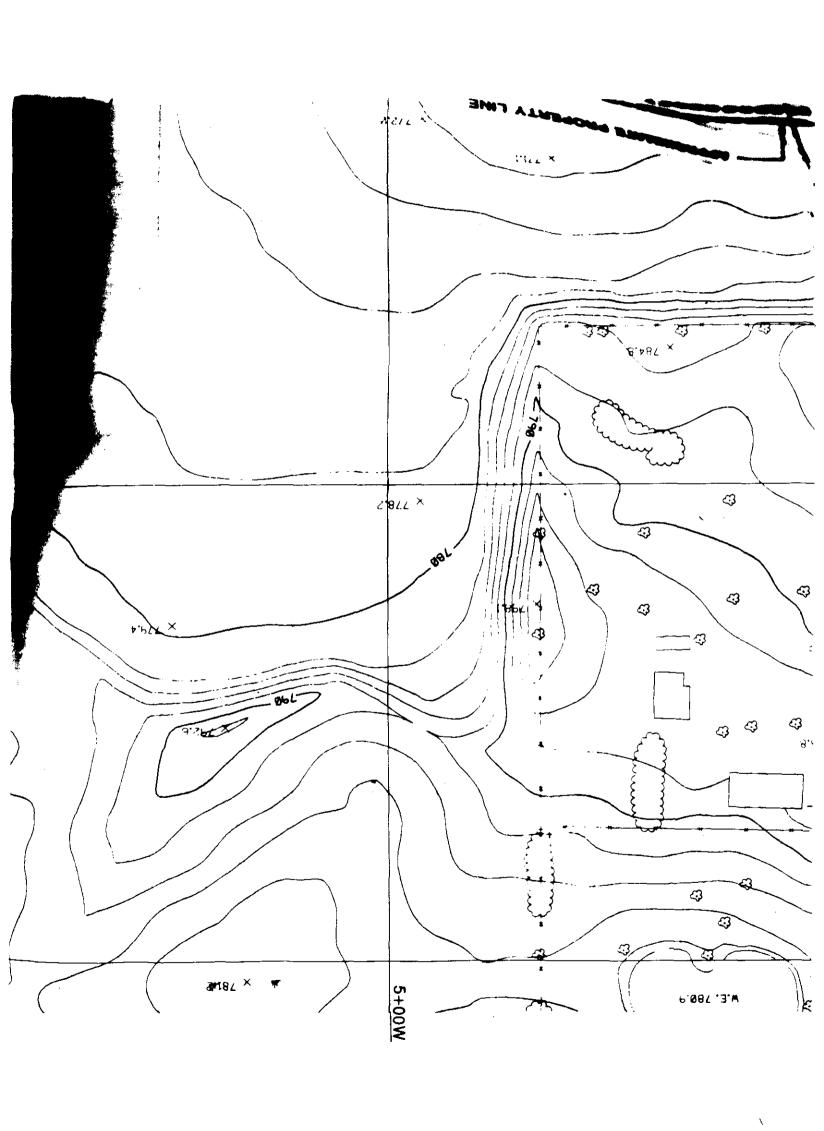
20+0 <u>0W</u>
·
15+00W

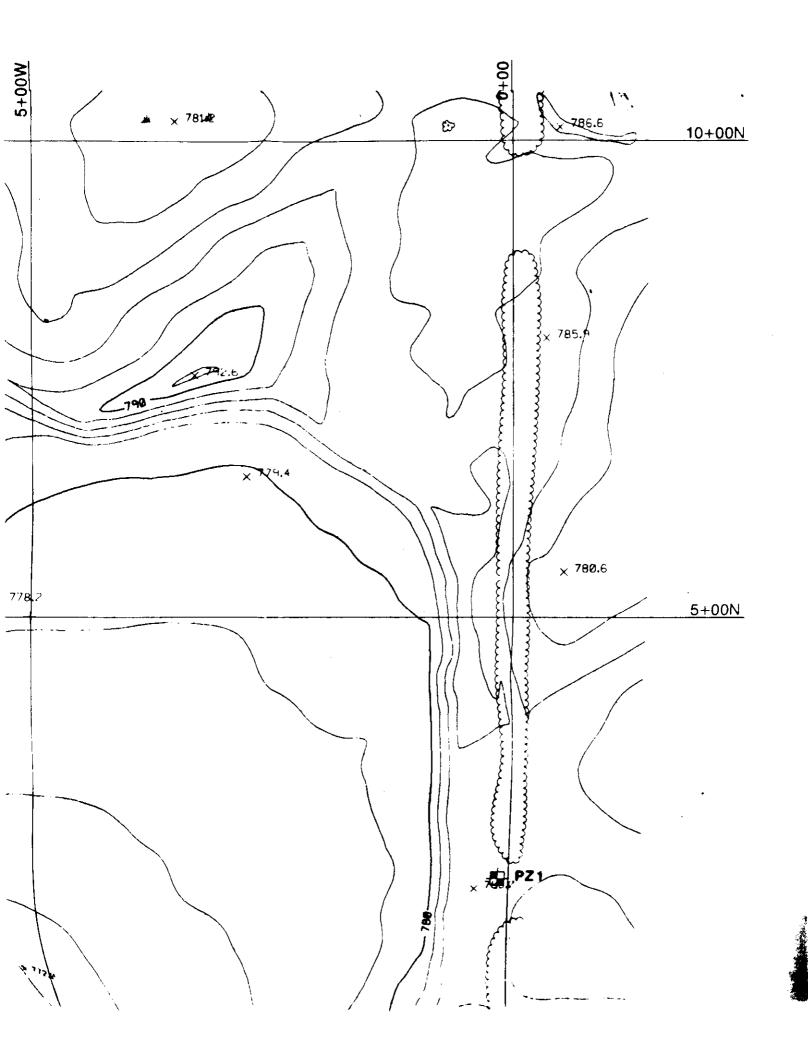


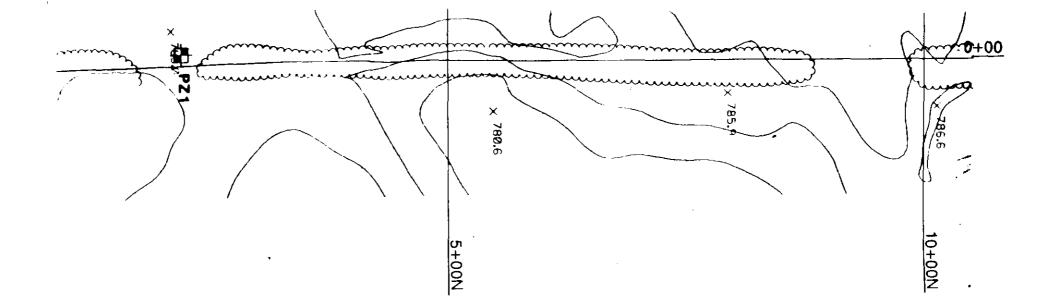




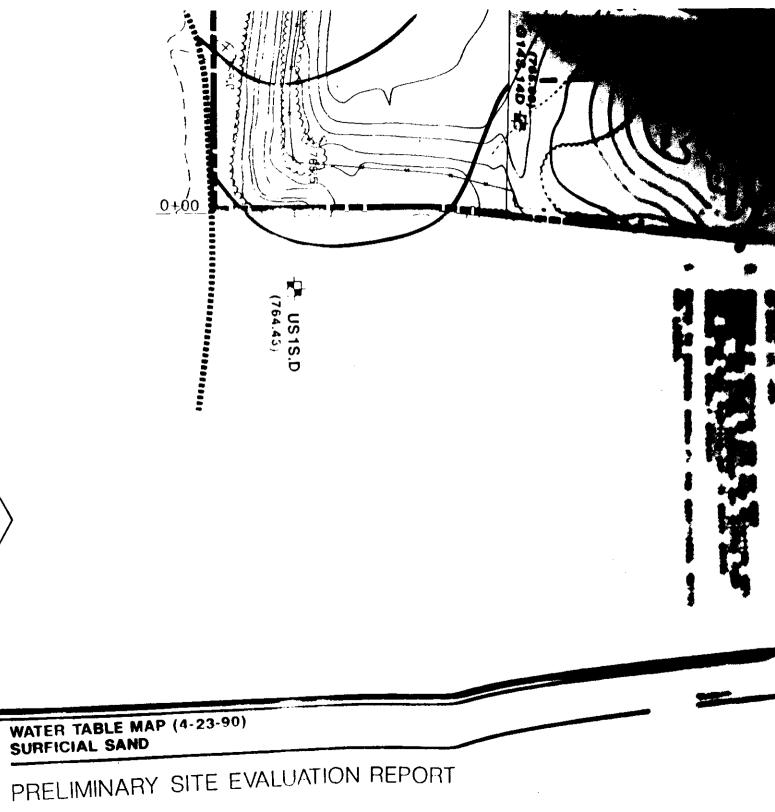


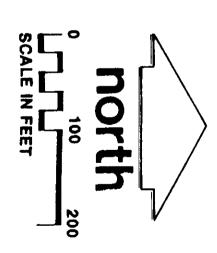




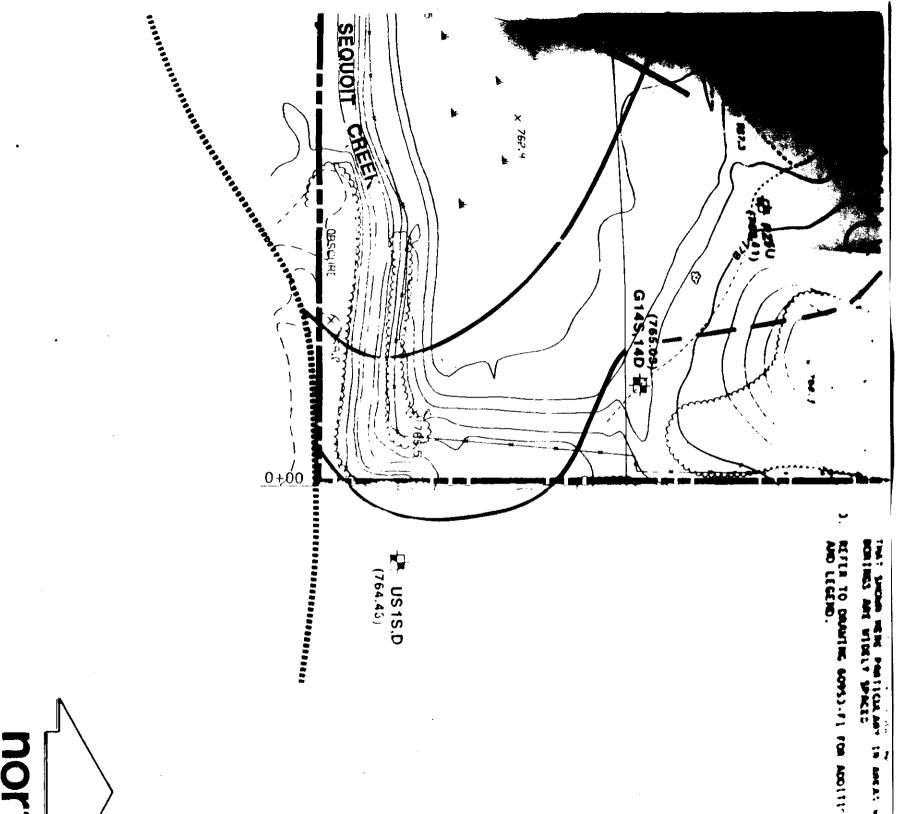


WARZYN	Designed By:	Drawn By: JC	Checked By:
WARZYN ENGINEERING INC.	Approved By:		Date:
			Reference:
	© 1988 • Warzyn Engineerin	g Inc All Rights Reserved.	



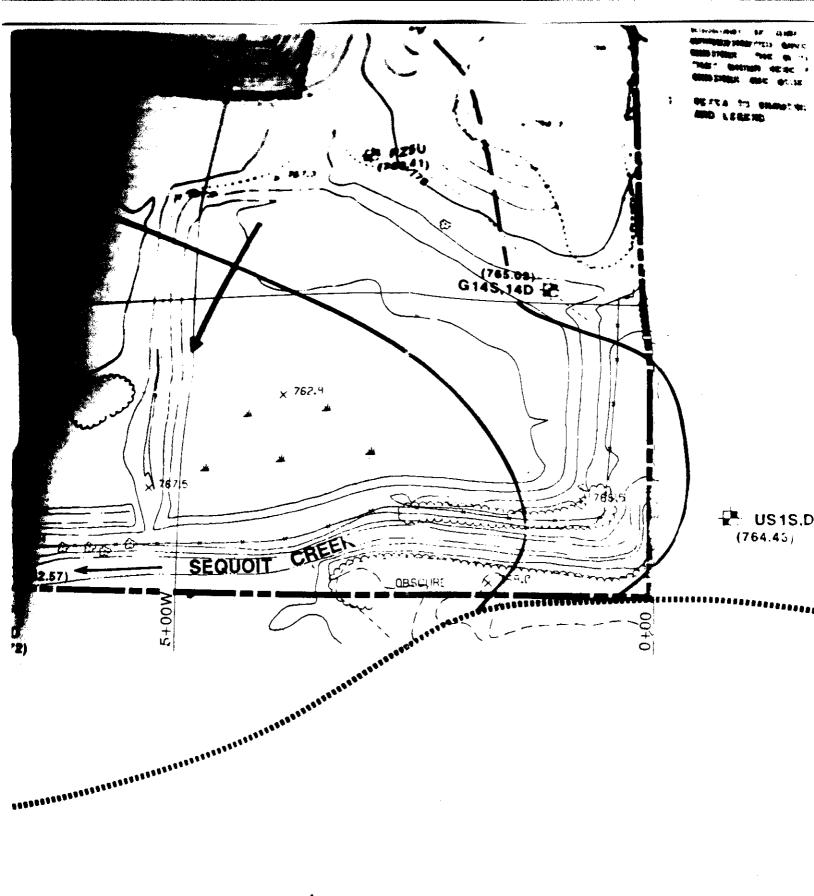


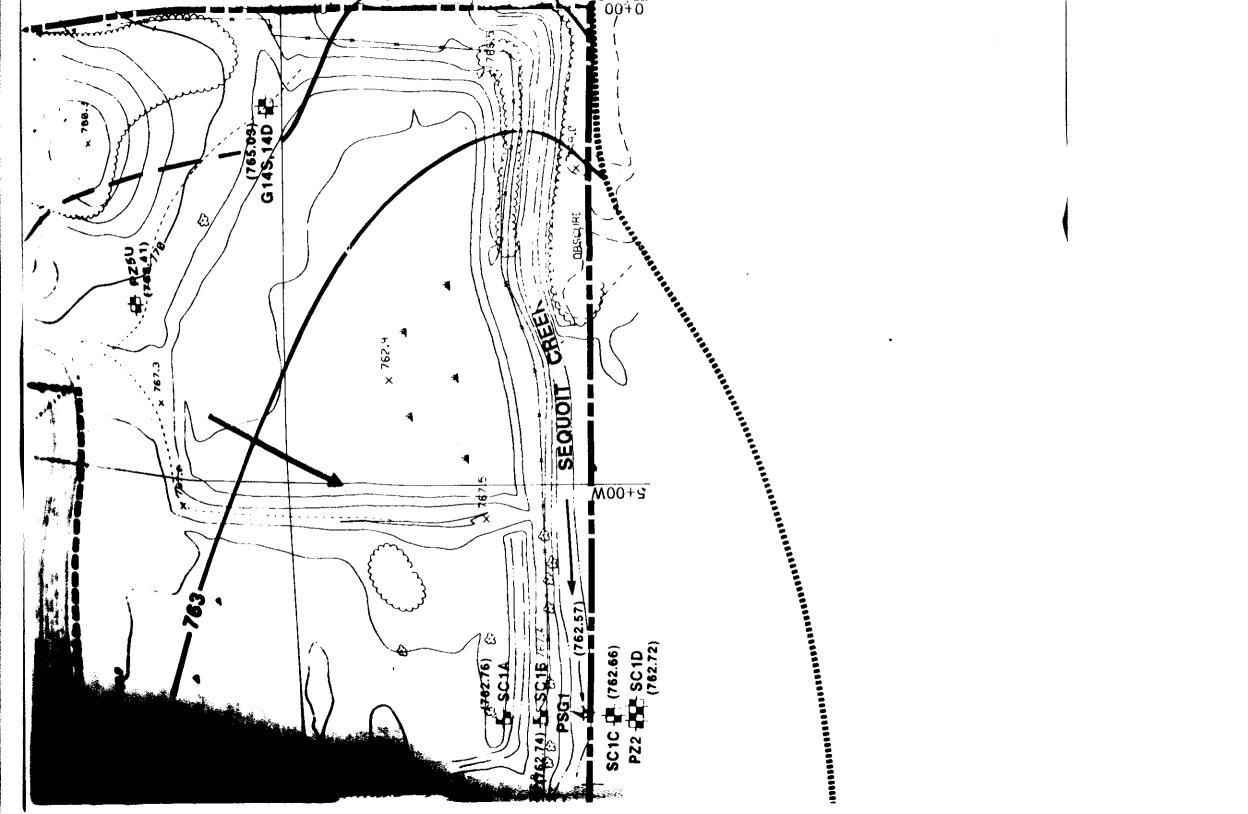
Project Number Sheet Number

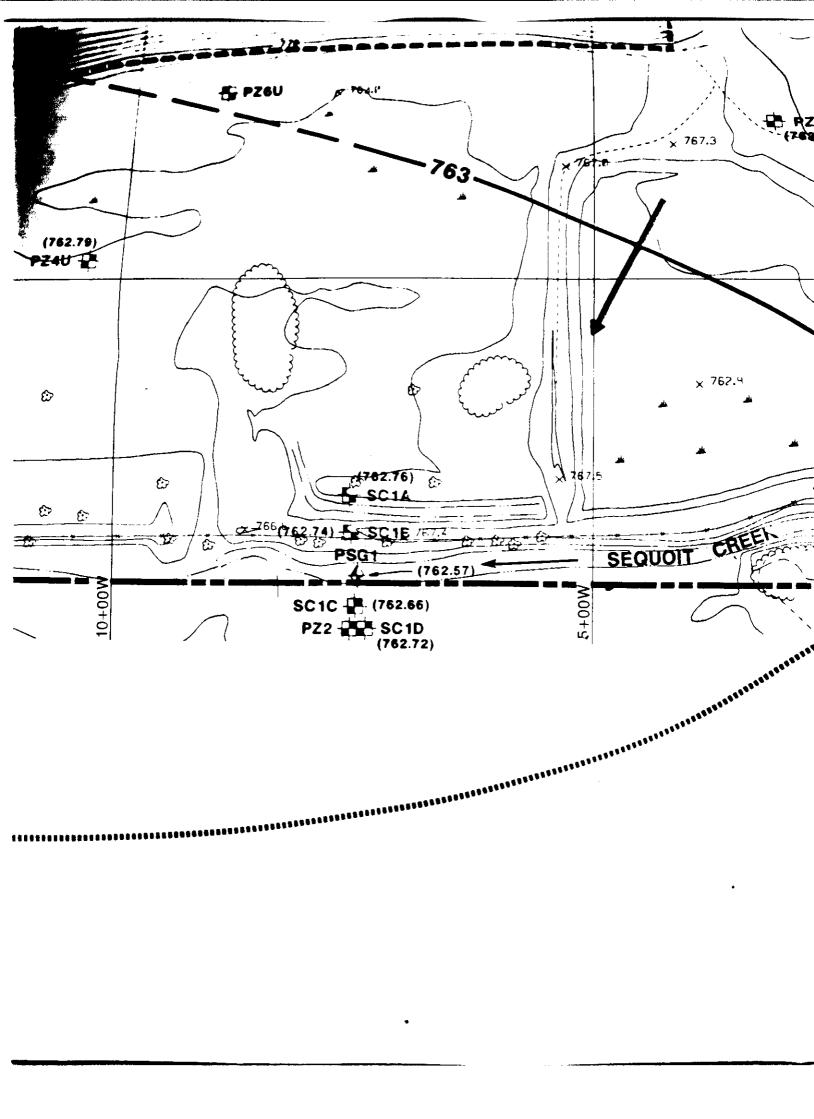


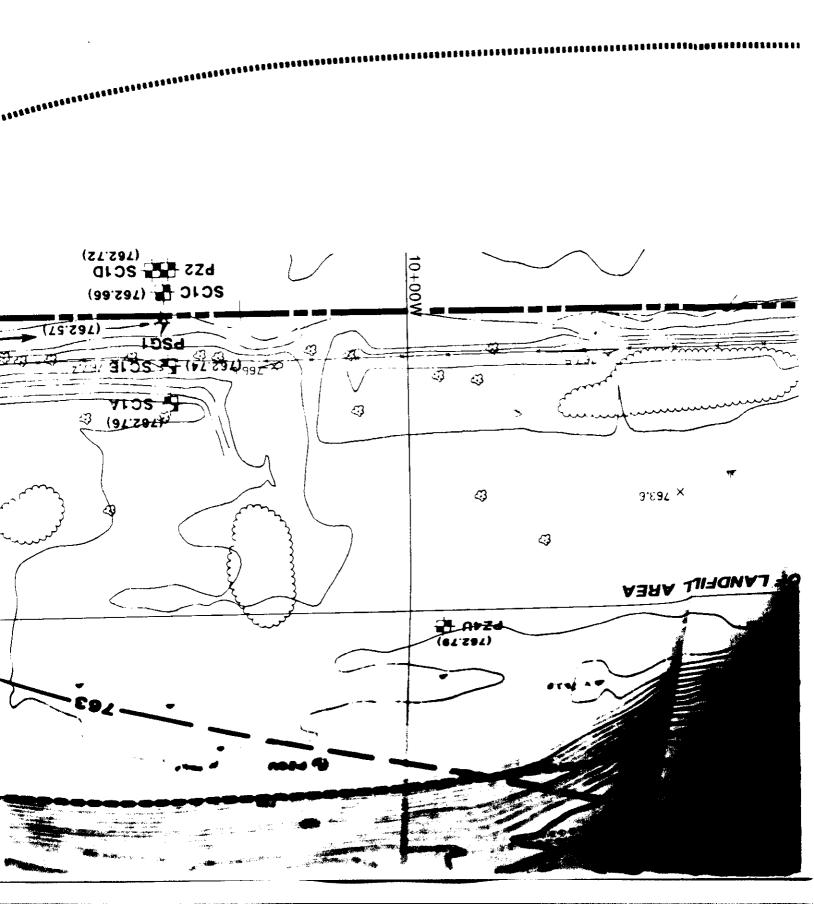
SCALE IN FEE

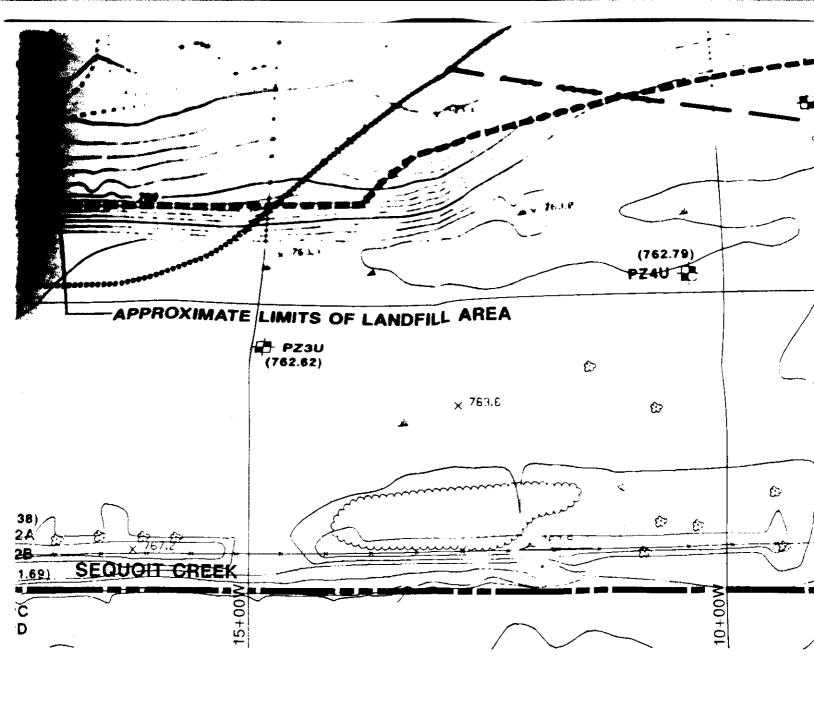
100

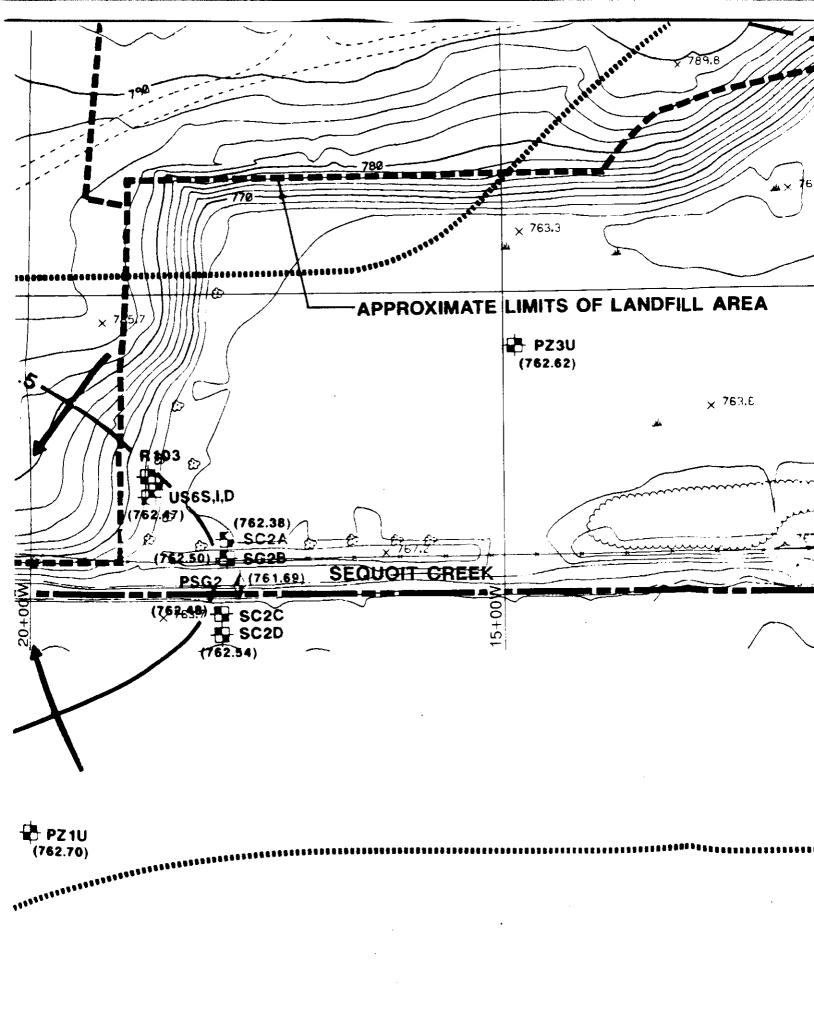


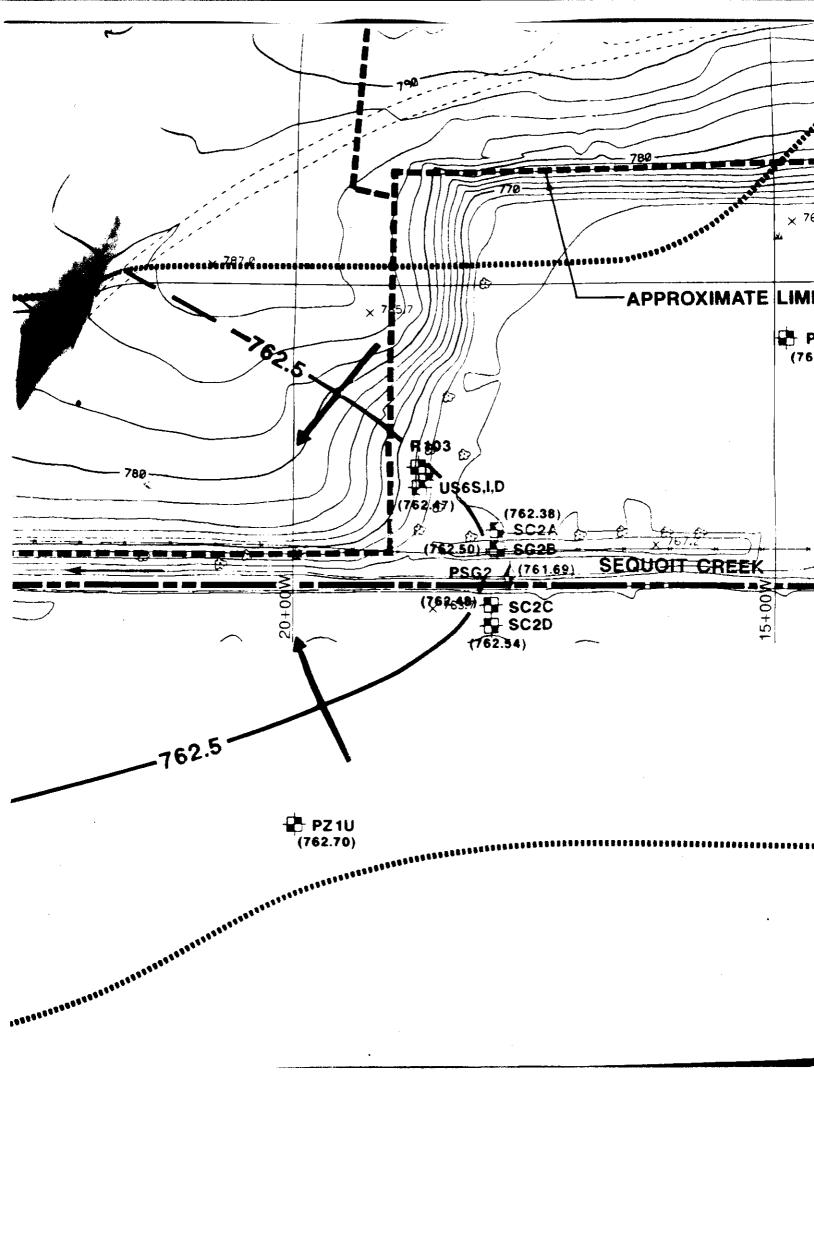


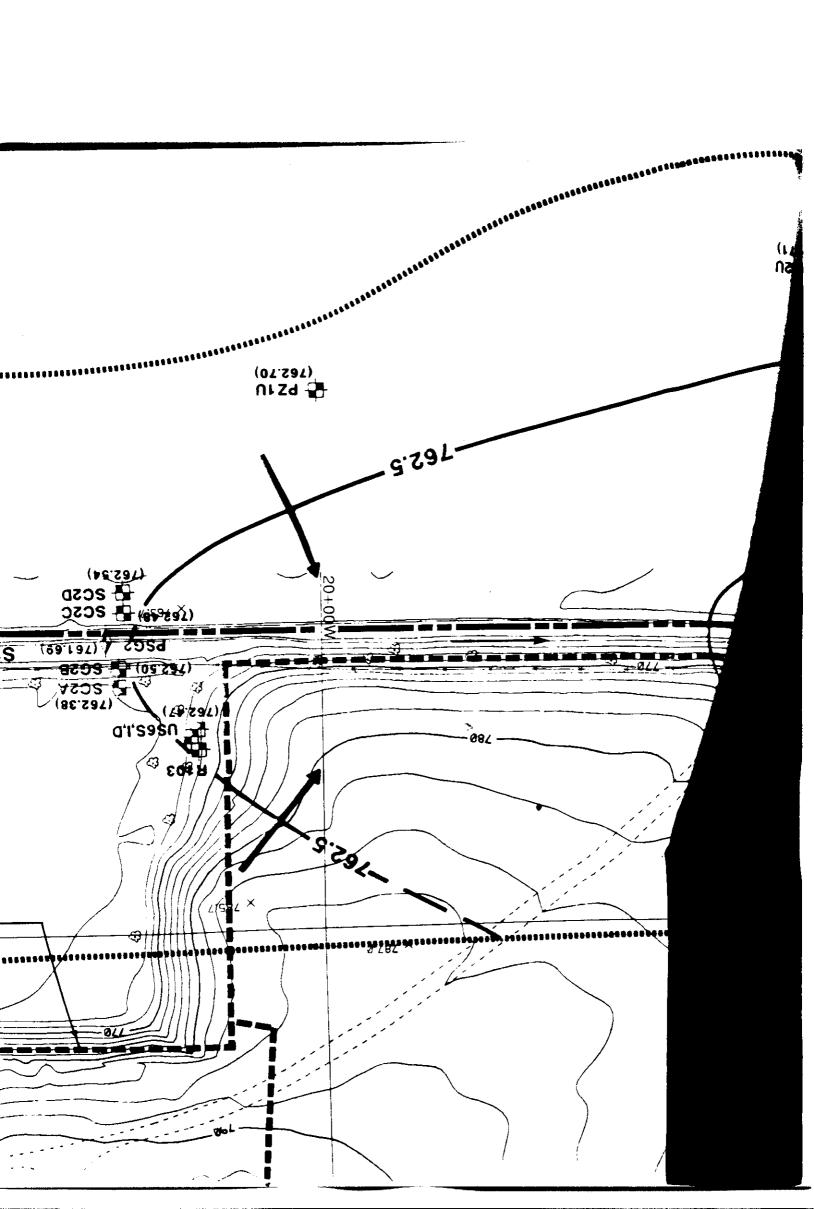


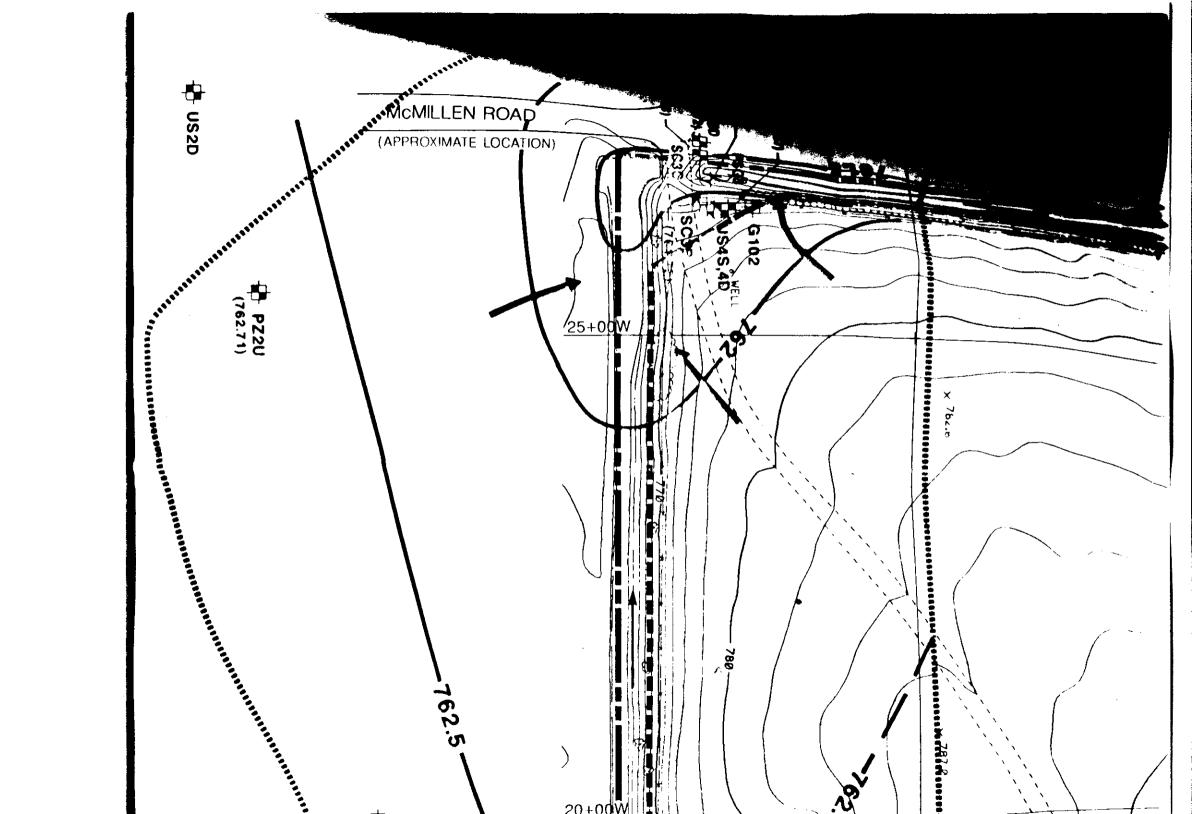


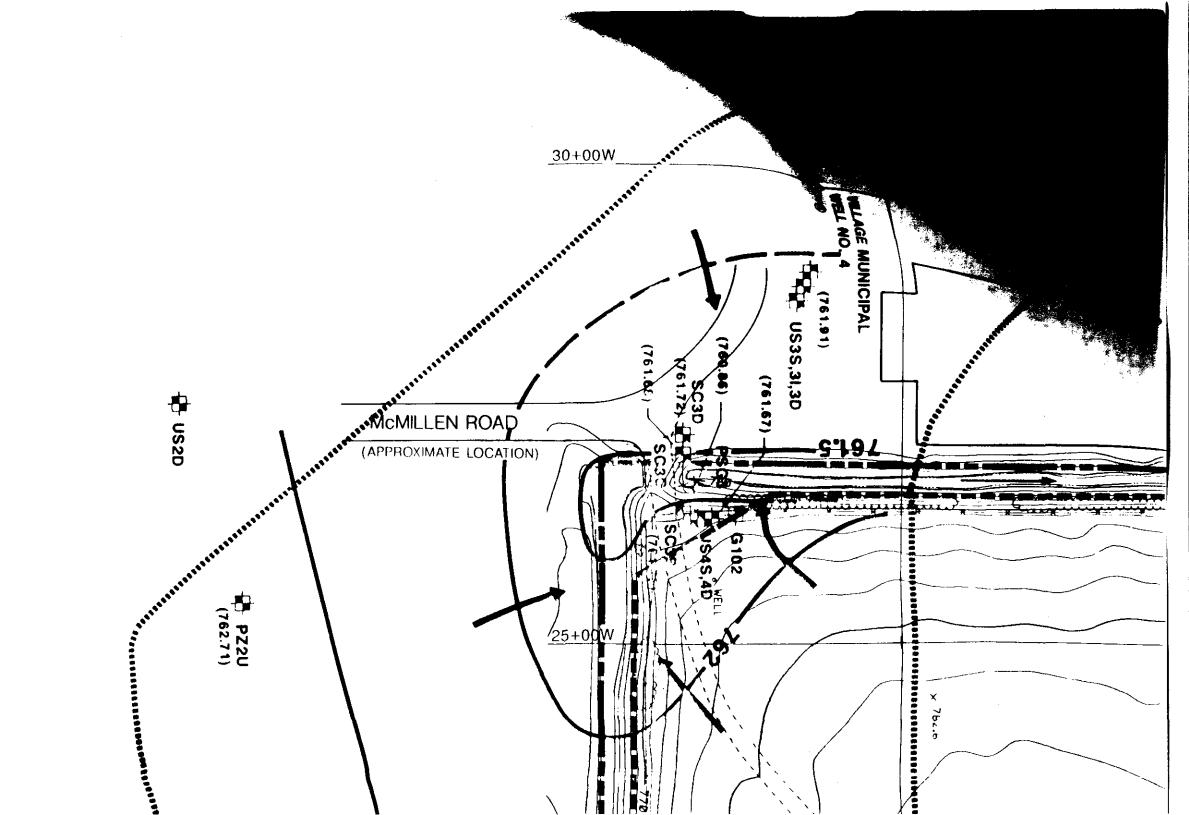


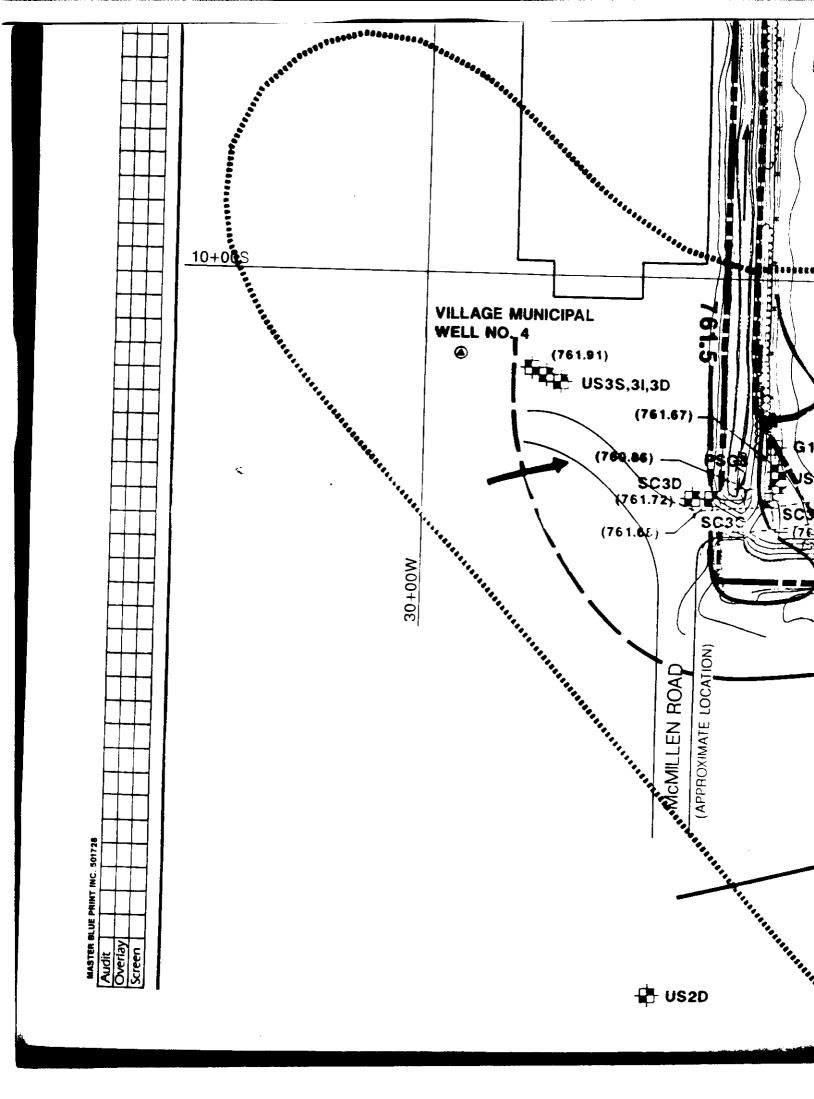


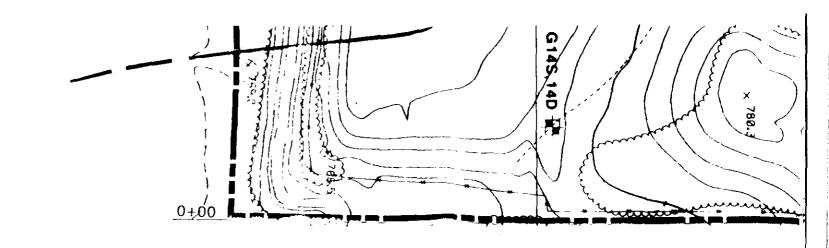




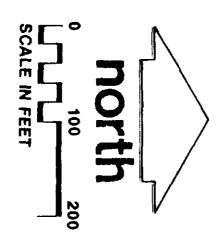








US1S.D (729.15)

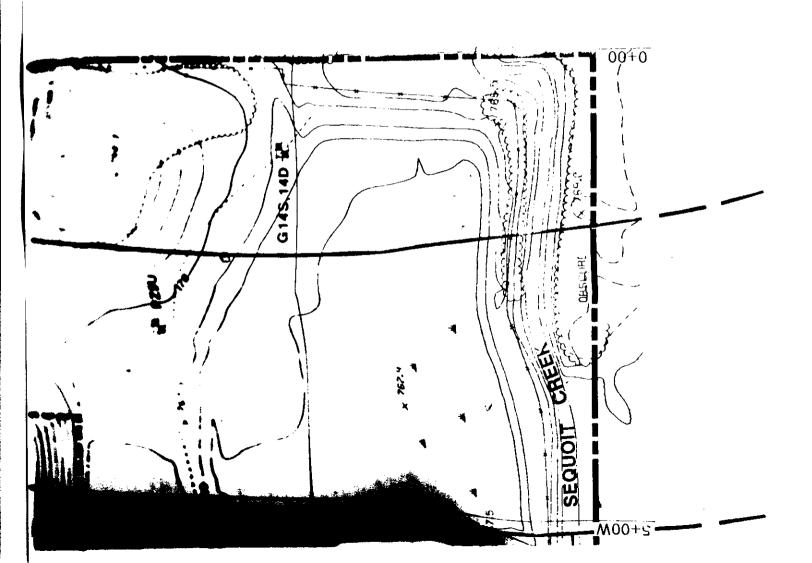


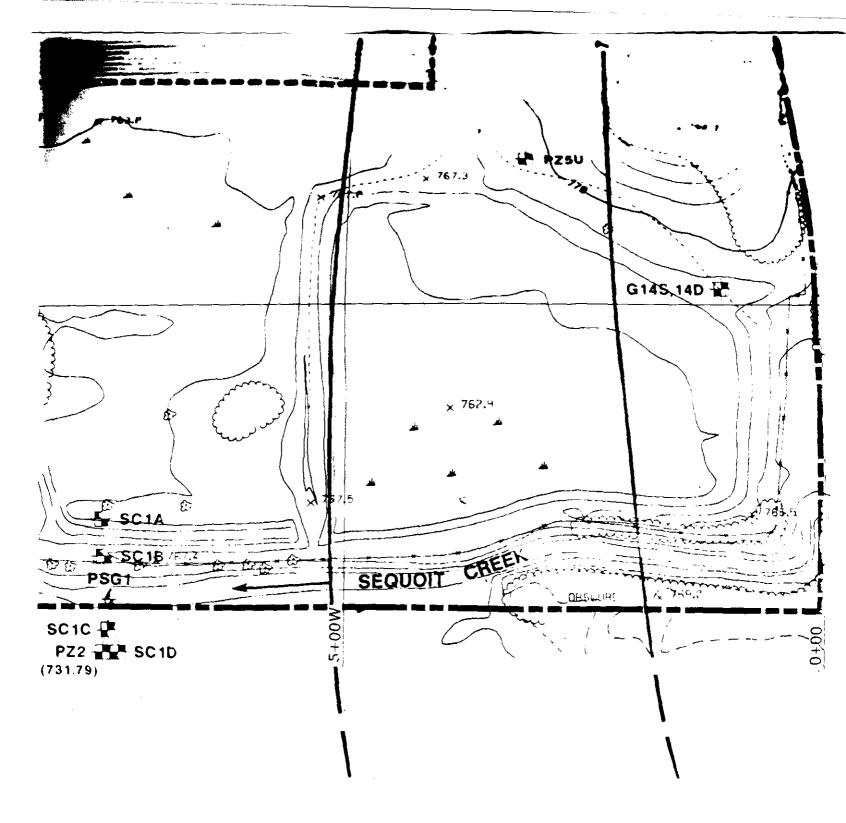
PIEZOMETRIC SURFACE (4-23-90) DEEP SAND AND GRAVEL AQUIFER

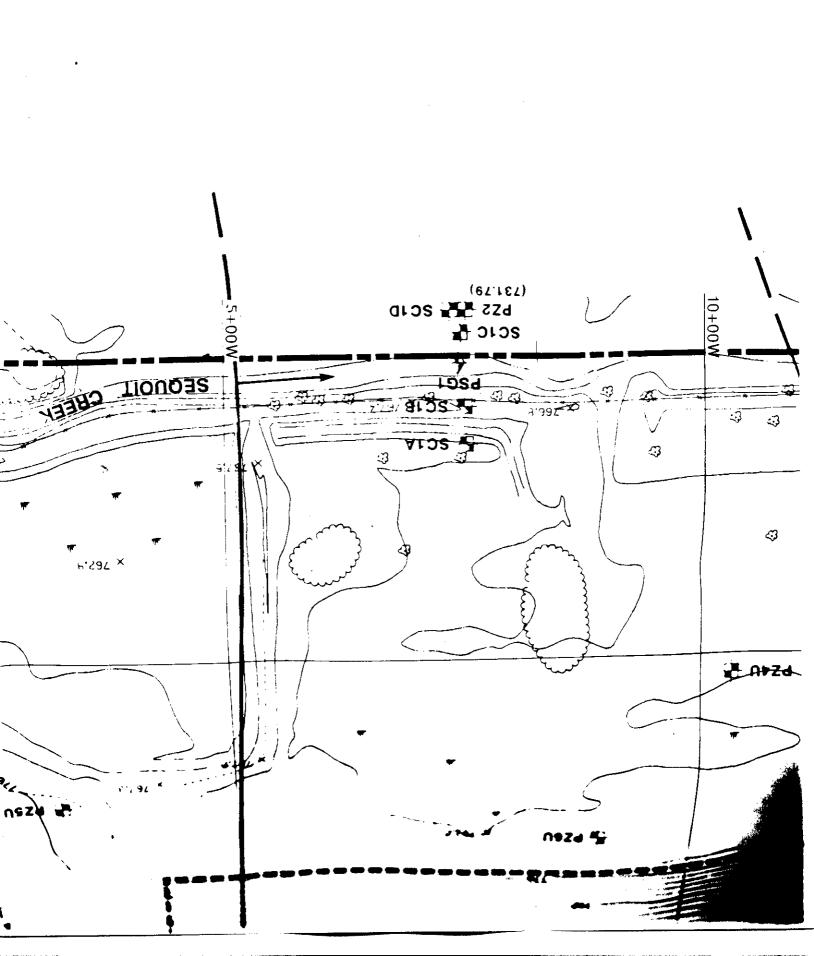
PRELIMINARY SITE EVALUATION REPORT

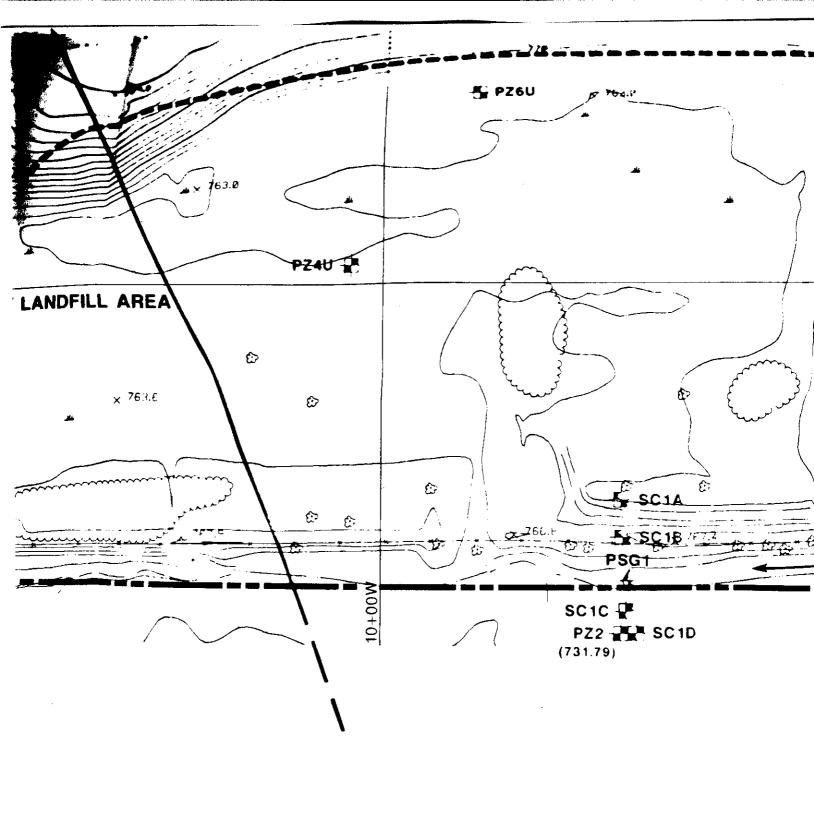
SCALE IN

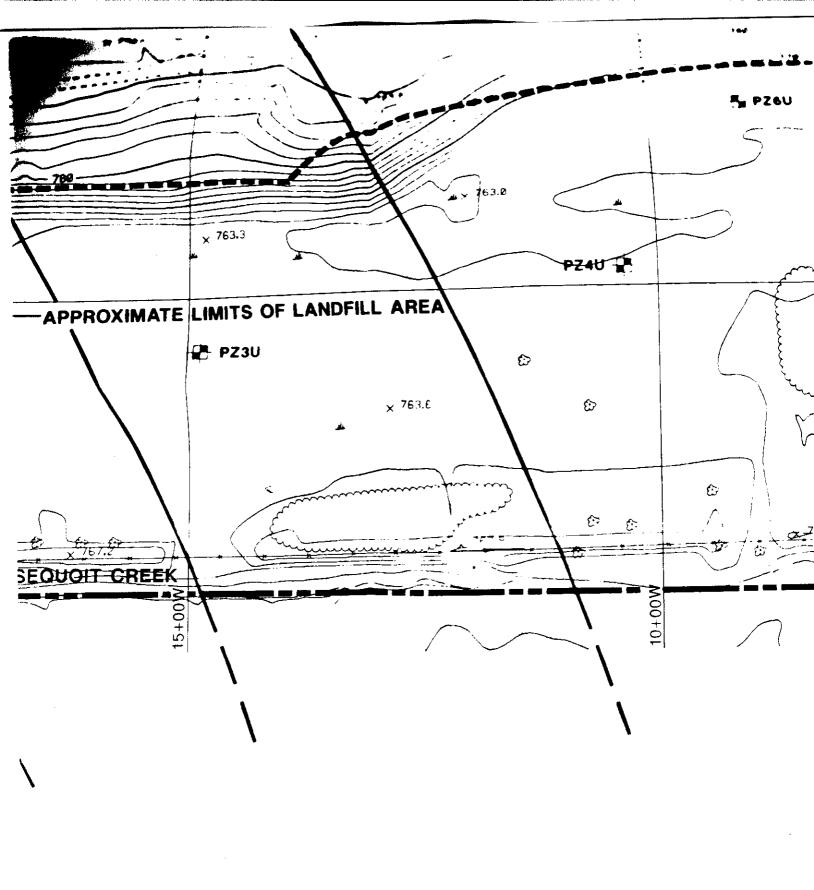
(729.15)

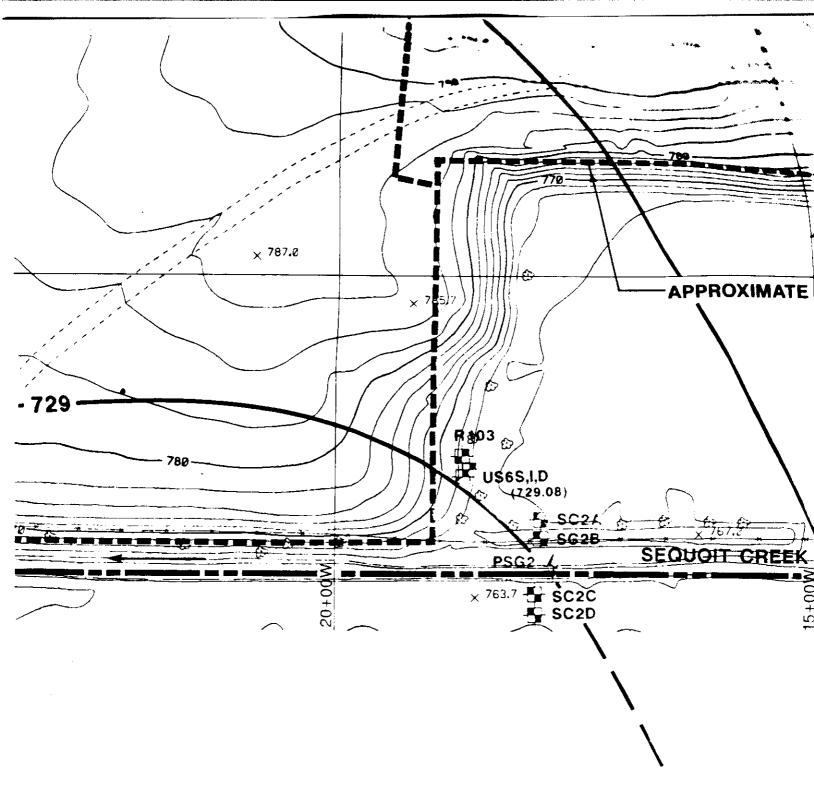




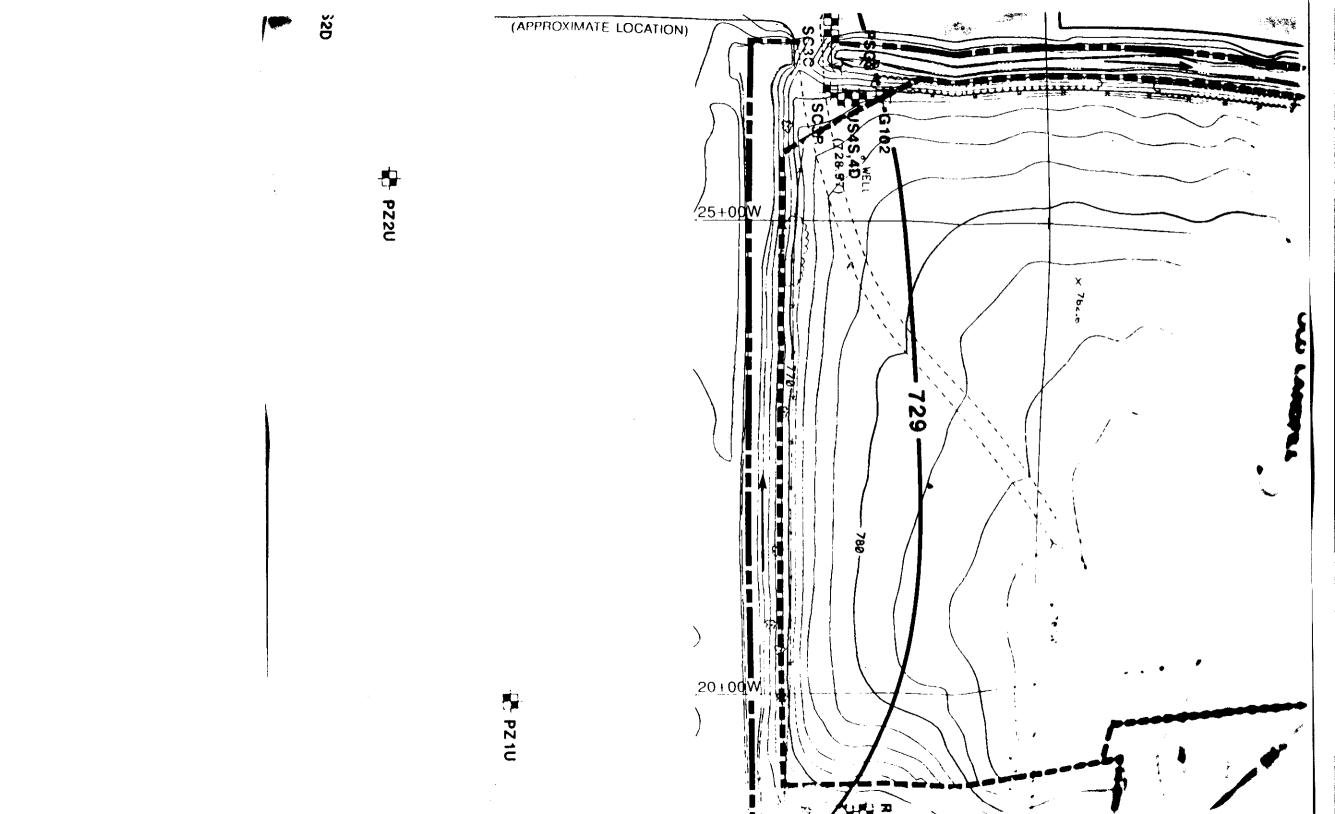


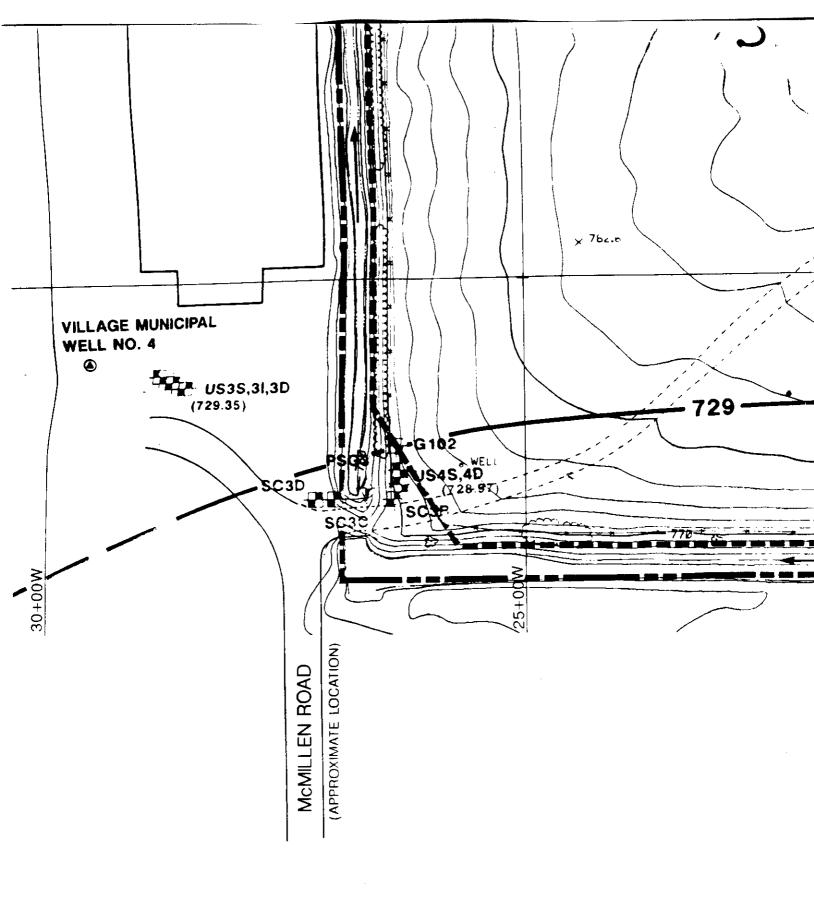






🔁 PZ 1U

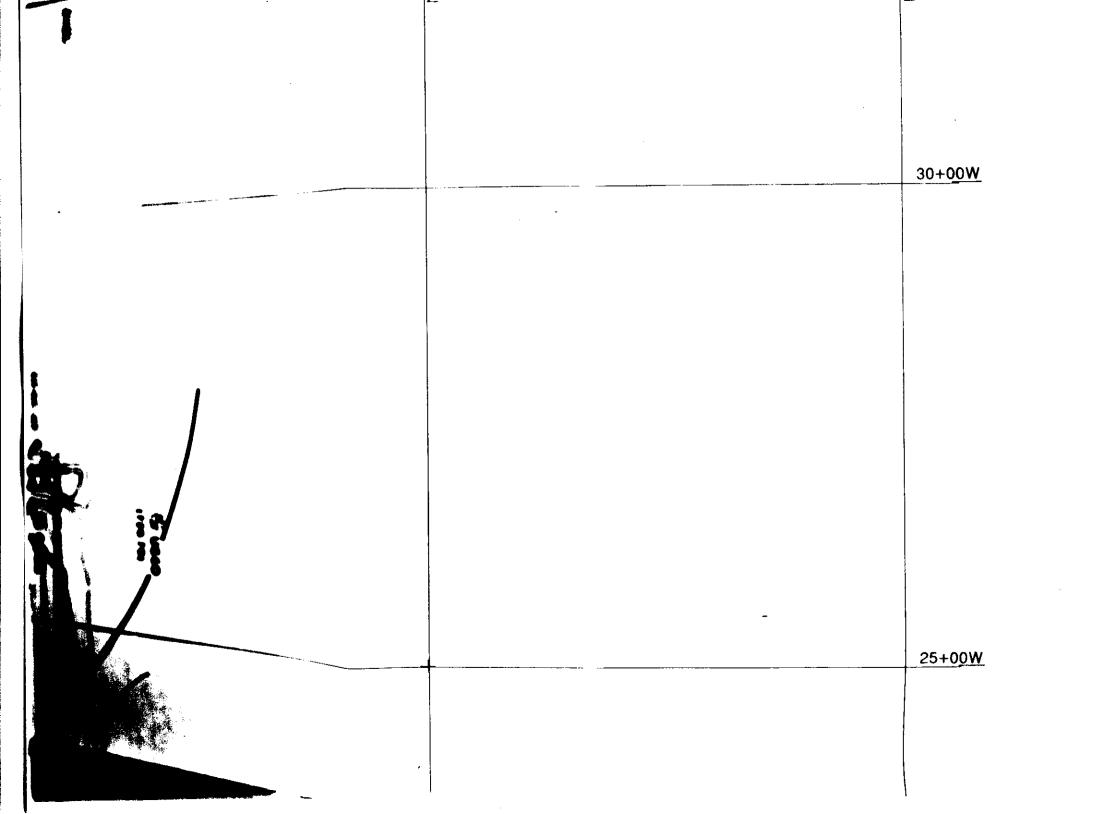


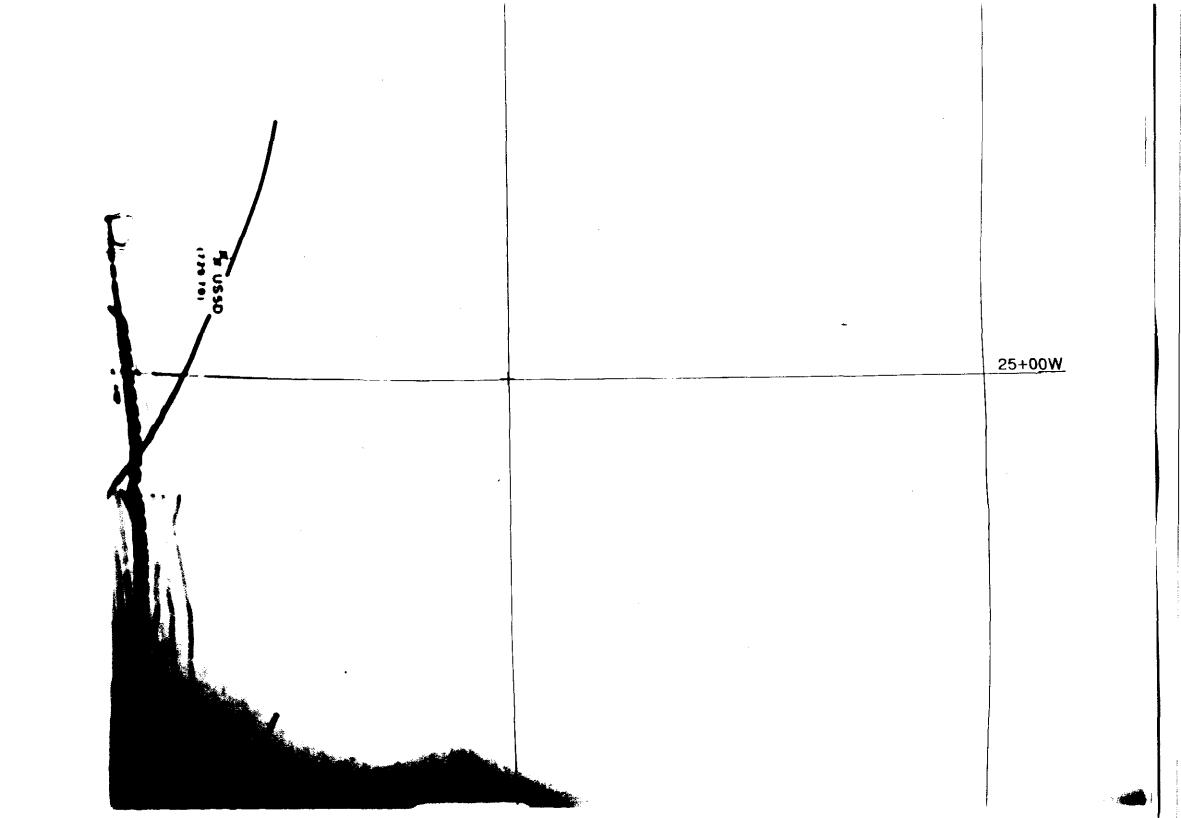


PZ2U

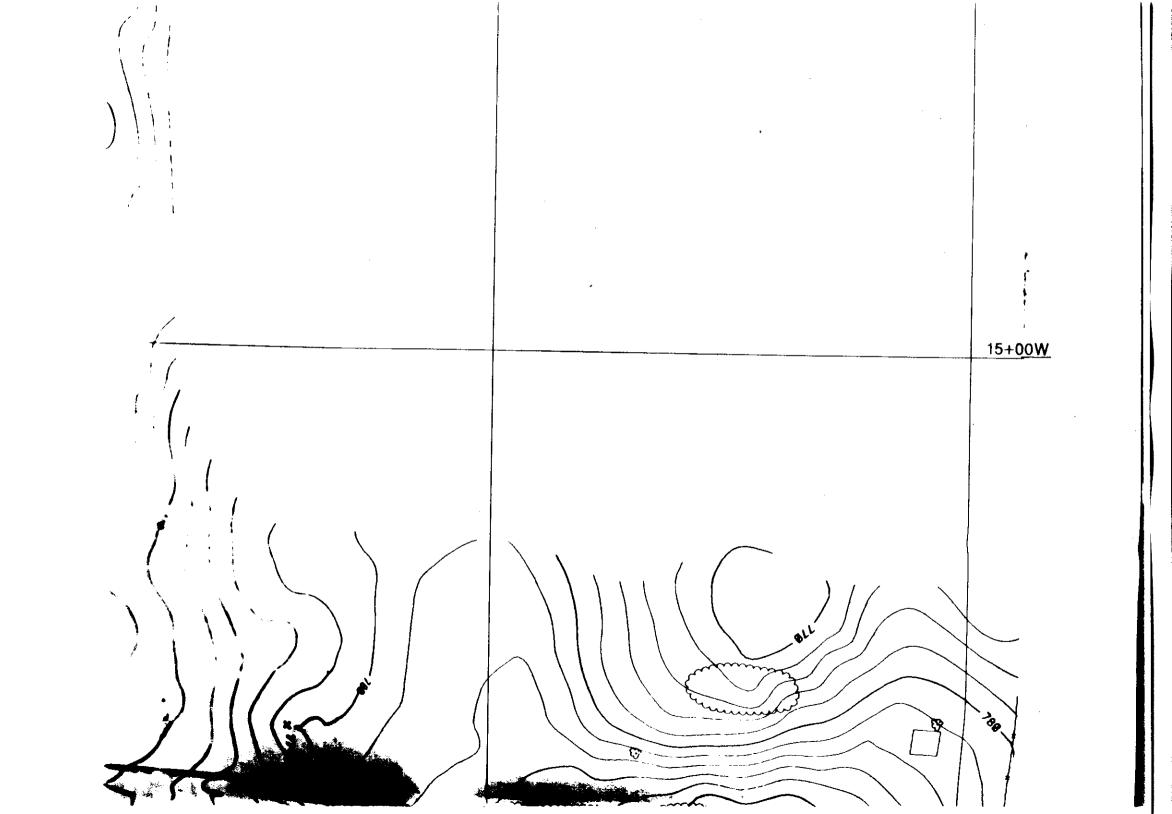
(728.67) # US2D

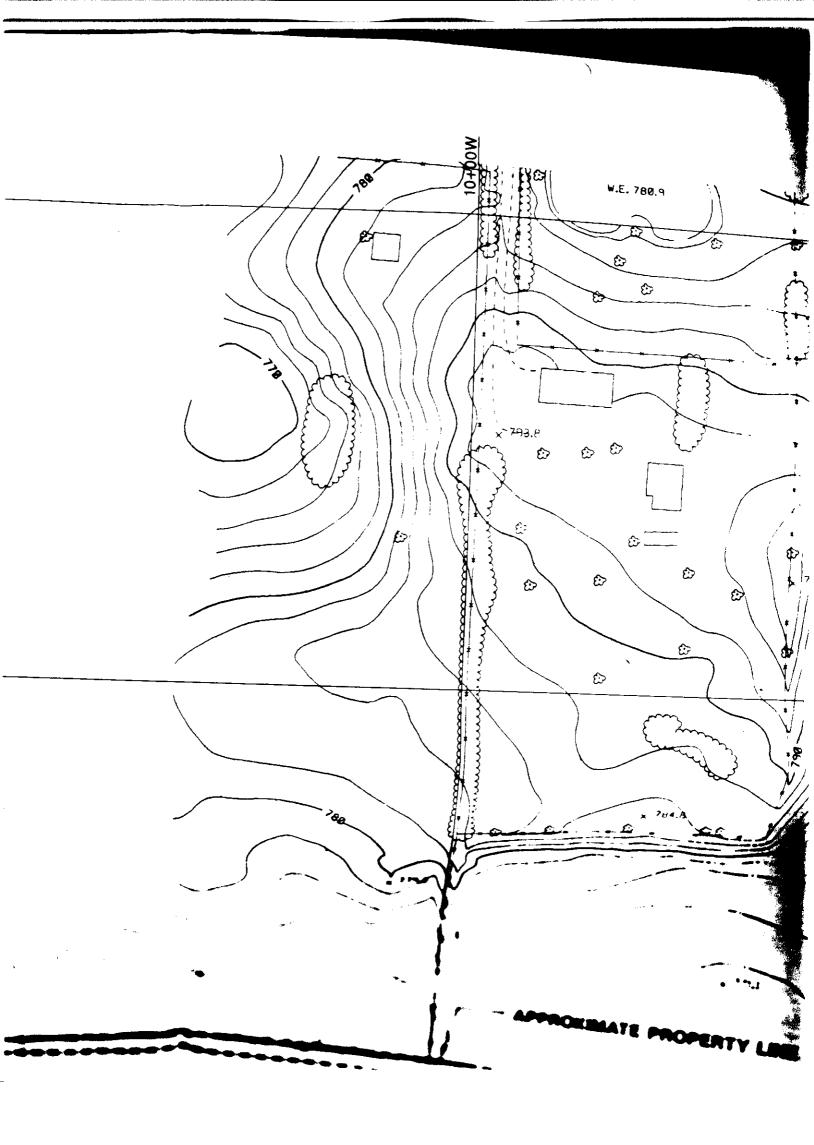
MASTER BLUE PRINT INC. 501728 Audit Overlay Screen 10+00S 30+00W VILLAGE MUNICIPAL WELL NO. 4 US3S,3I,3D (729.35) McMILLEN ROAD (APPROXIMATE LOCATION)

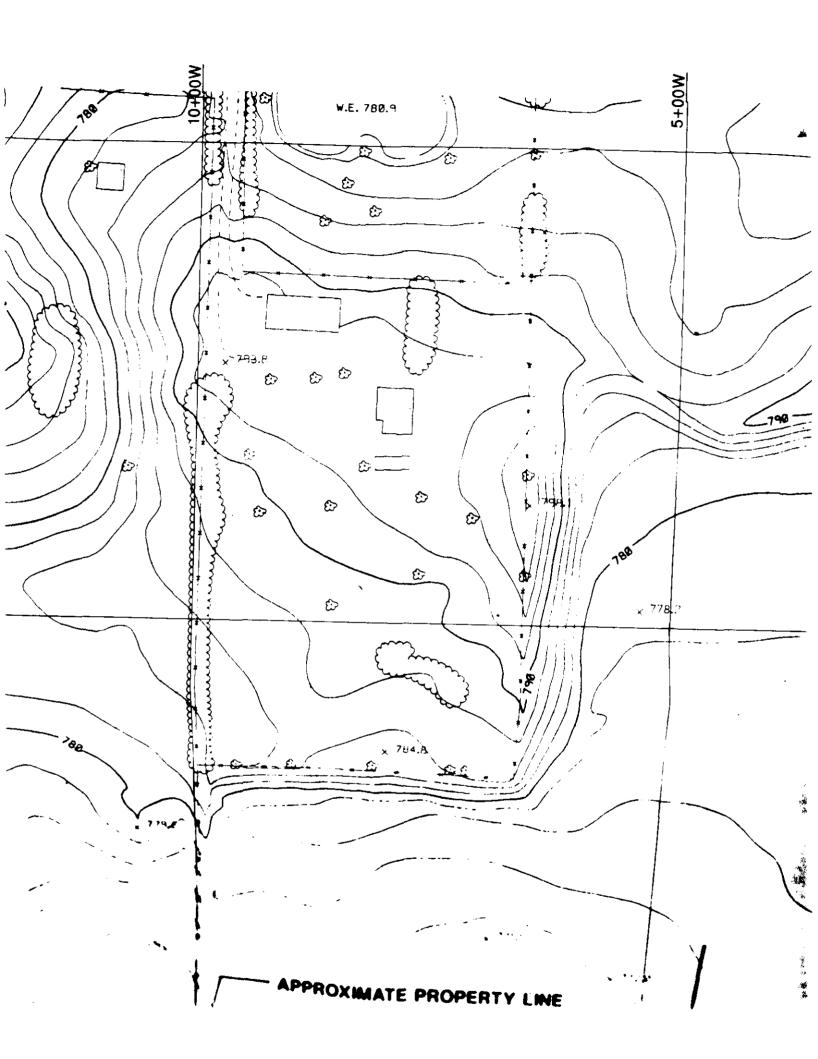


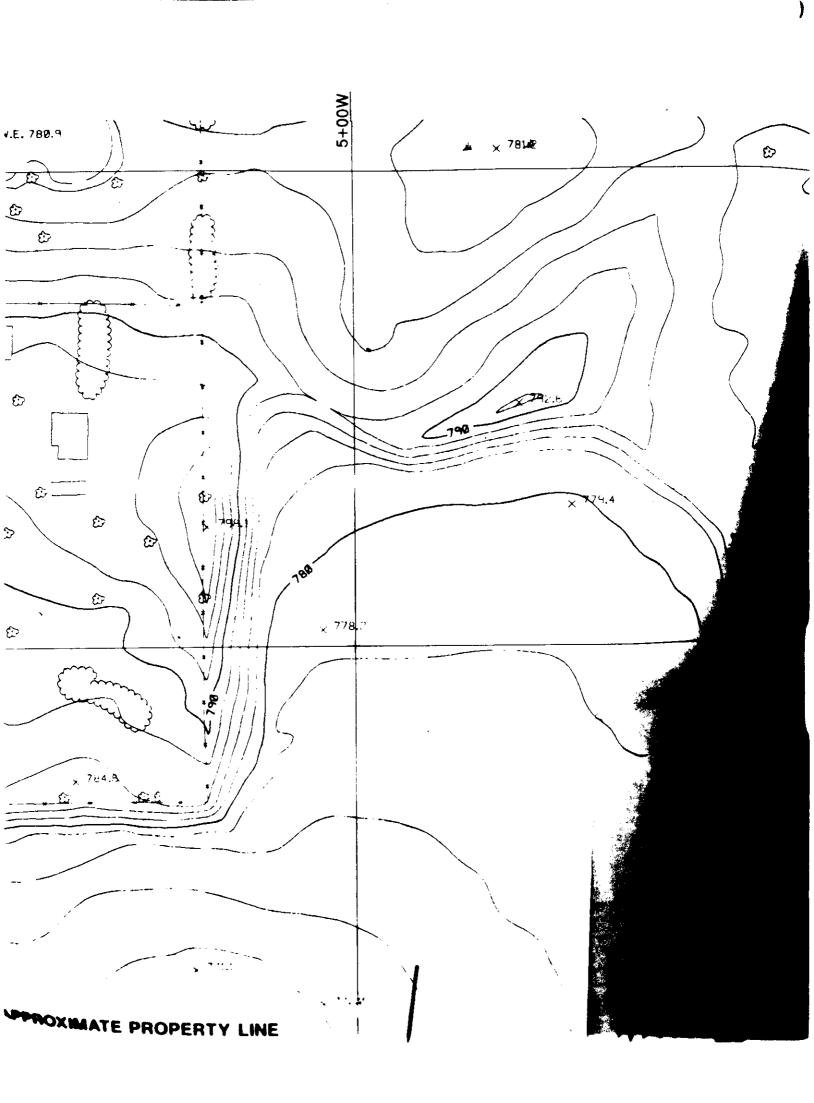


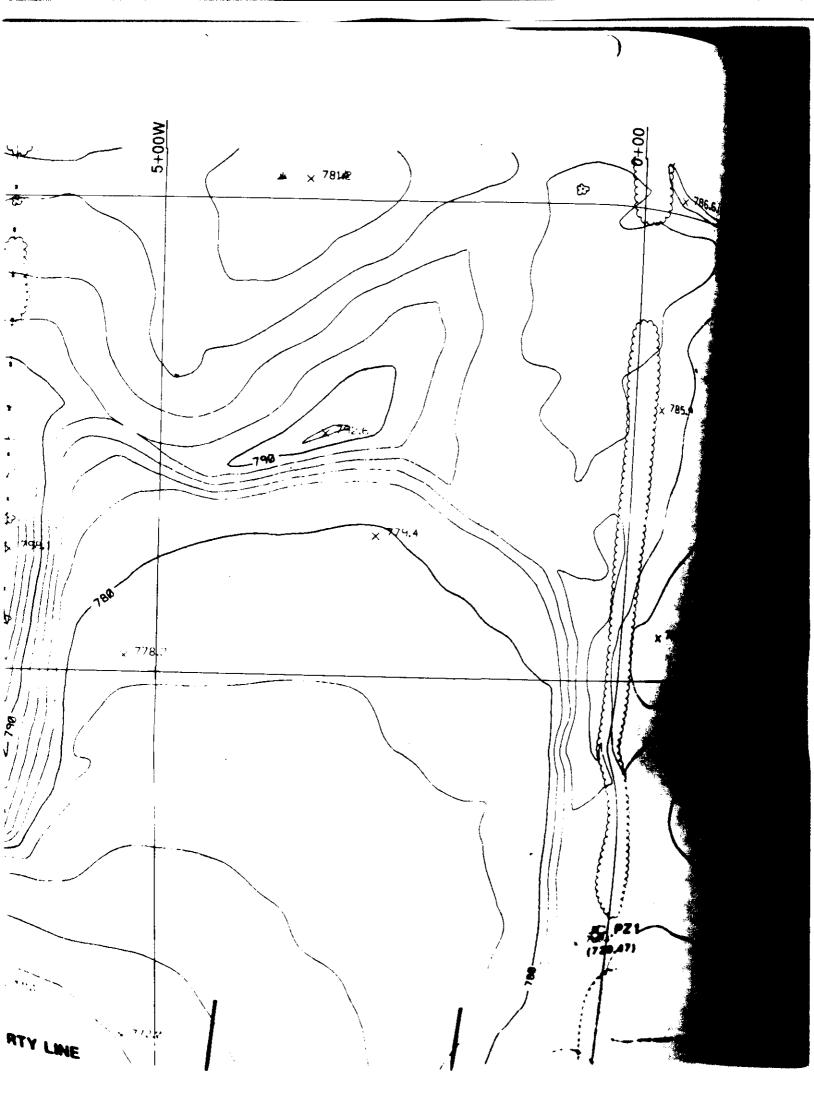
		÷
	 ·	20+0 <u>0W</u>
		•
		15+00W

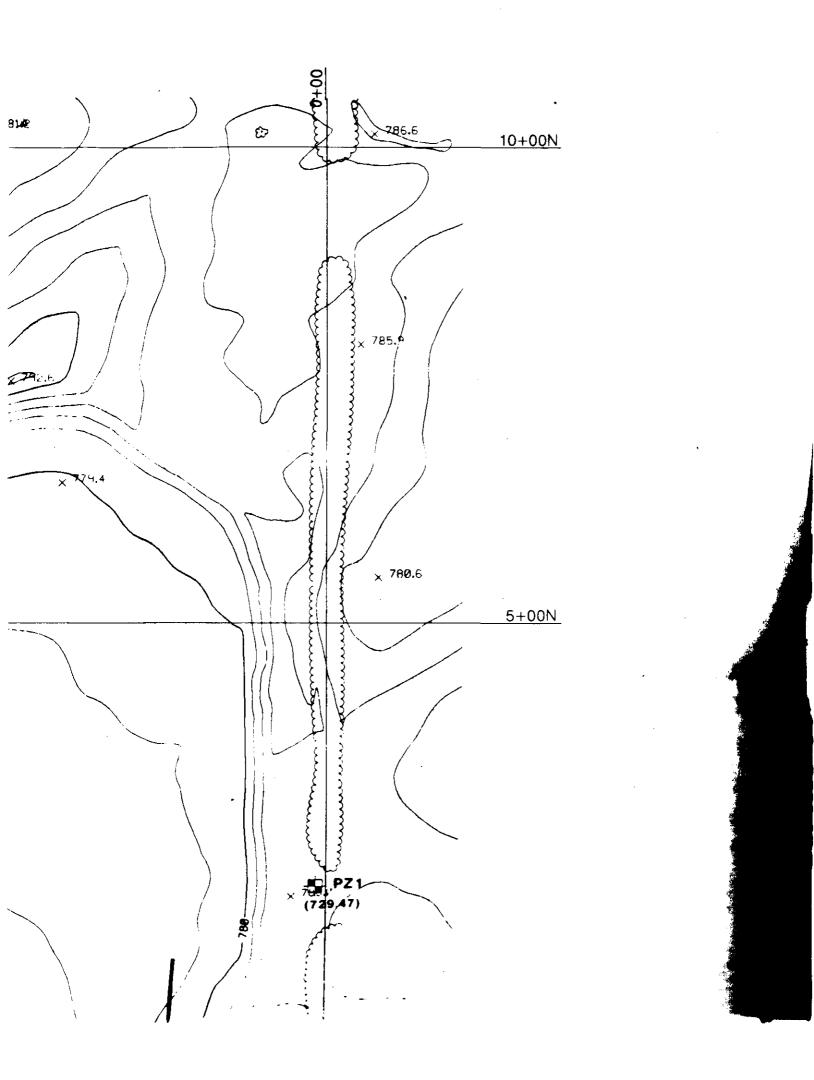


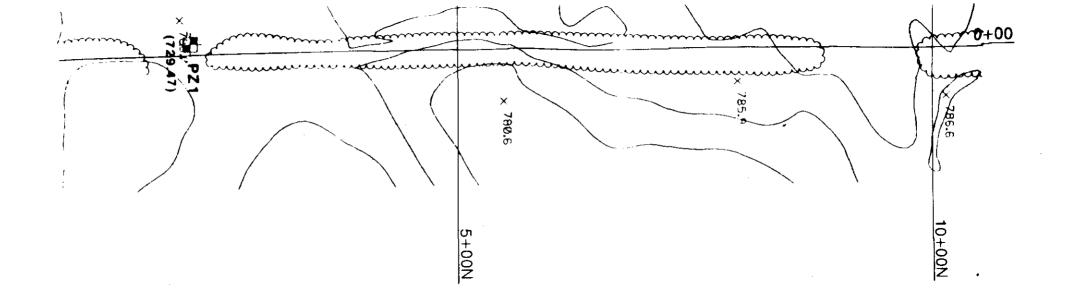












o d	WARZYN	Designed By:	Drawn By: JC	Checked By:
	WARZYN ENGINEERING INC.	Approved By:		Date:
				Reference:
		© 1988 • Warzyn Engineerin		

0,00

VOTES

REFER TO DRAWING 60953-FI FOR ADDITIONAL NO LEGEND.

REFER TO DRAWING 60953-F3 FOR SOIL BORING LOCATIONS.

north

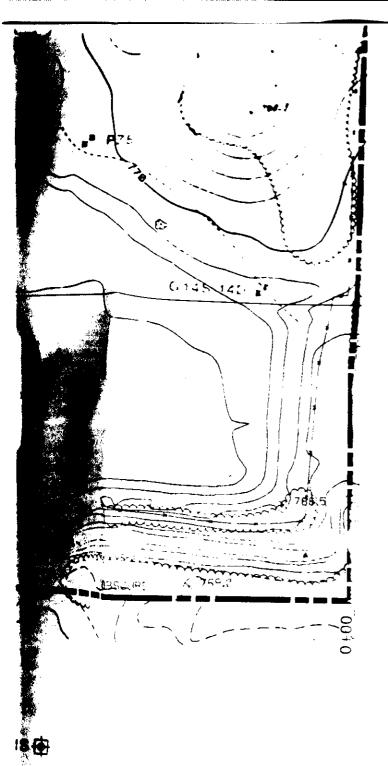
SCALE IN FEET

PROPOSED INVESTIGATION POINTS

PRELIMINARY SITE EVALUATION REPORT

H.O.D. LANDFILL RI/FS

ANTIOCH, ILLINOIS



TP1 PROPOSED TEST PIT LOCATION AND NUMBER

LP1 - PROPOSED LANDFILL LEACHATE PIEZONETER LOCATION AND NUMBER

THE RELE ELECTRICAL AND NUMBER

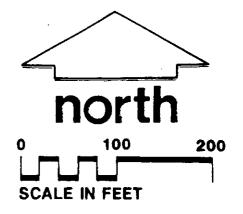
GP1 PROPOSED PERIMETER GAS PROBE LOCATION AND NUMBER

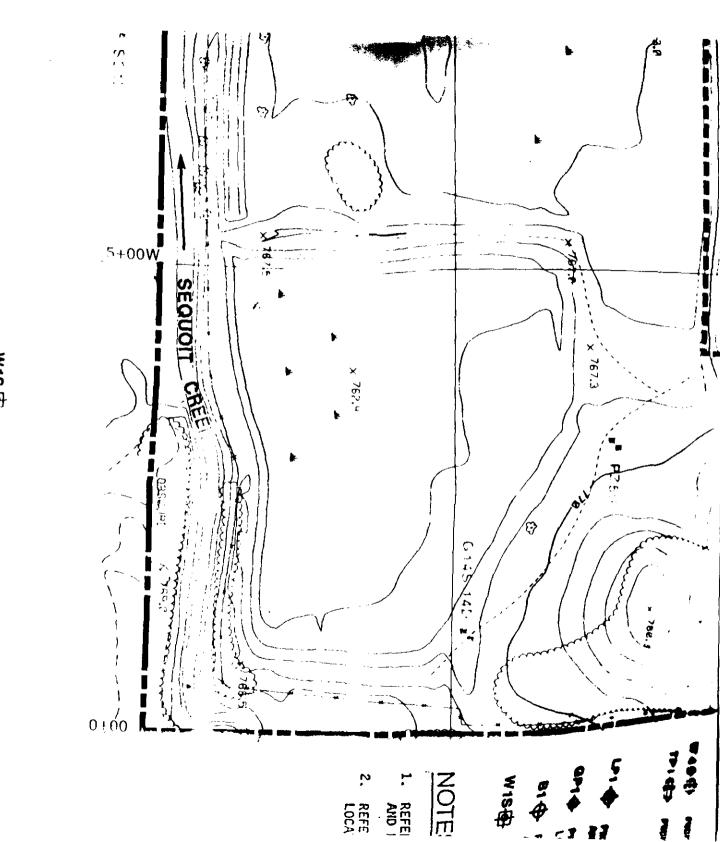
B1 PROPOSED LANDFILL BORING LOCATION AND NUMBER

W15 PROPOSED BORING/PIEZOMETER LOCATION

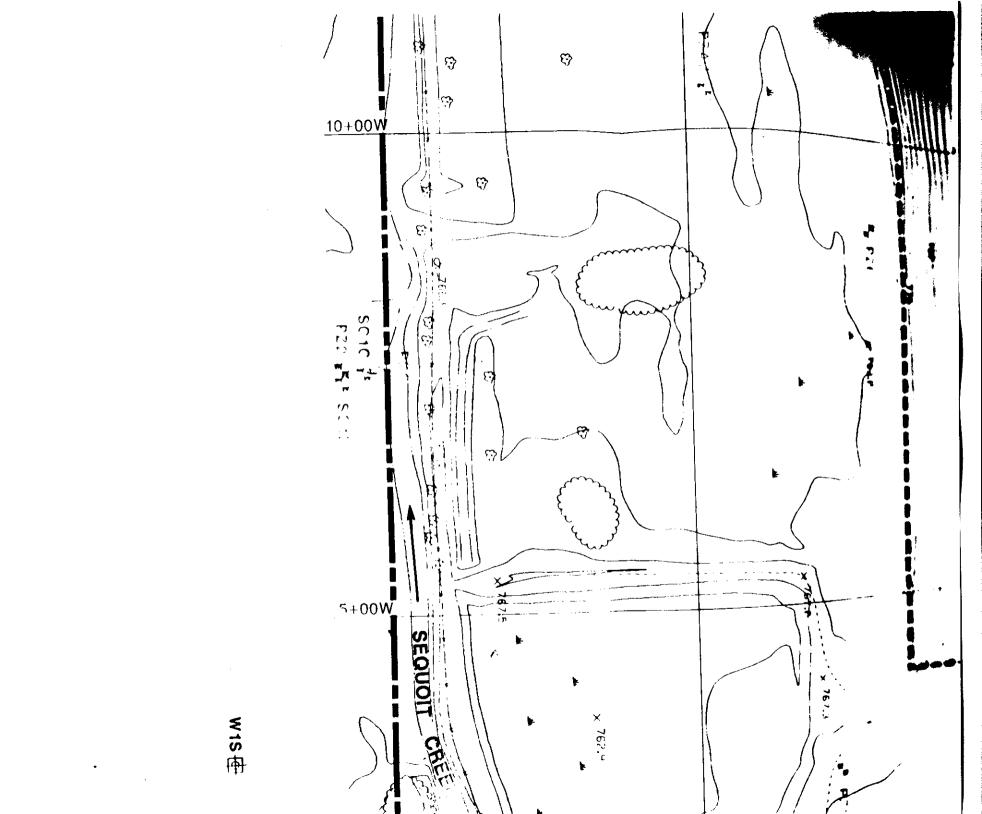
NOTES

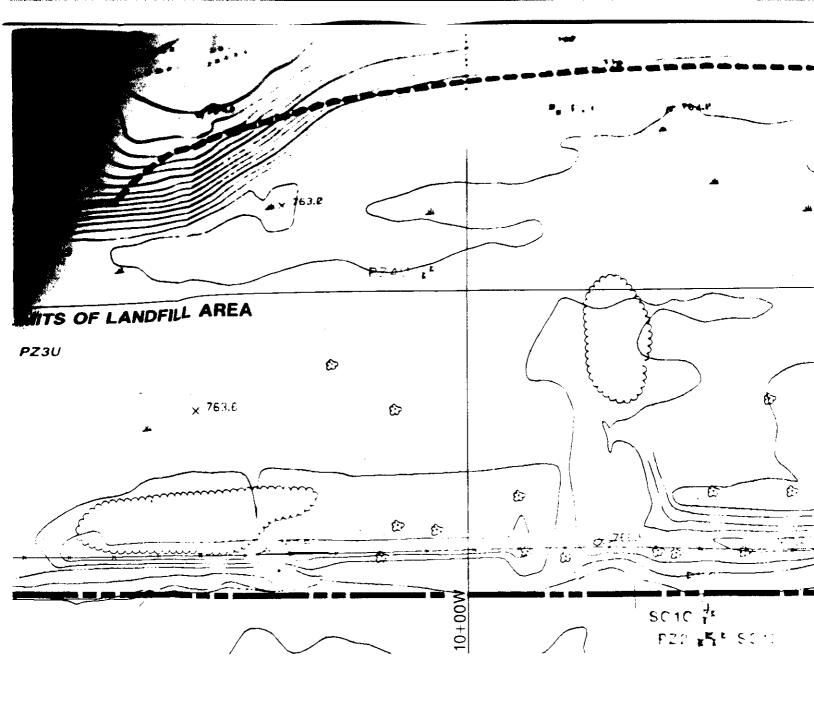
- 1. REFER TO DRAWING 60953-F1 FOR ADDITIONAL NOTES AND LEGEND.
- 2. REFER TO DRAWING 60953-F3 FOR SOIL BORING LOCATIONS.

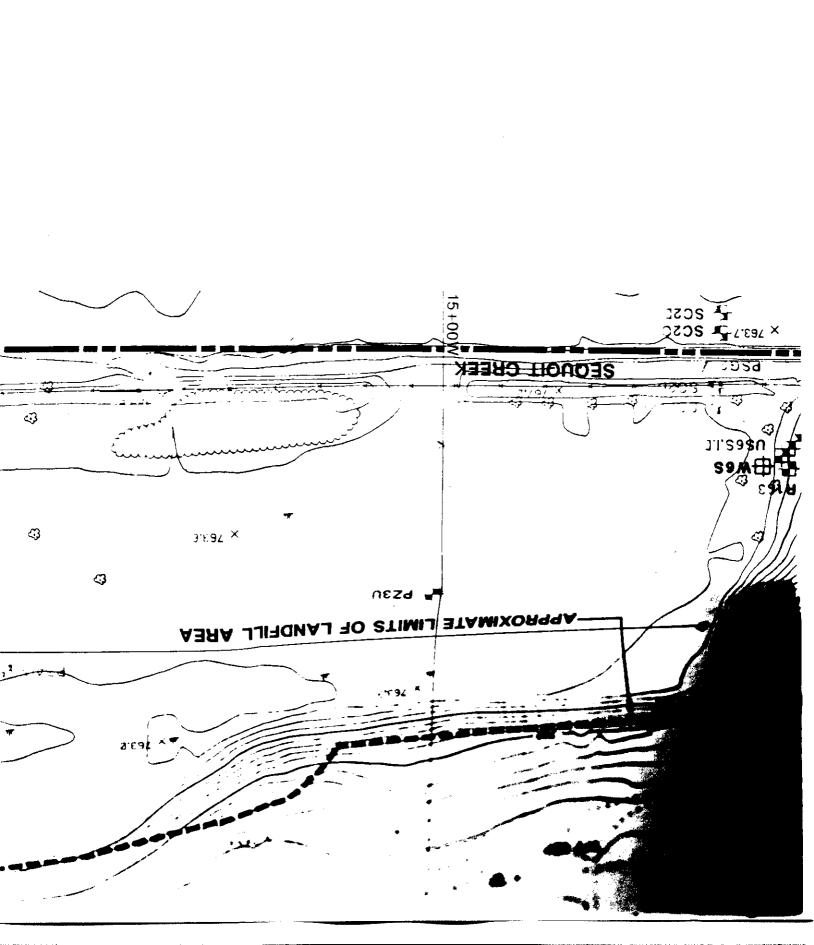


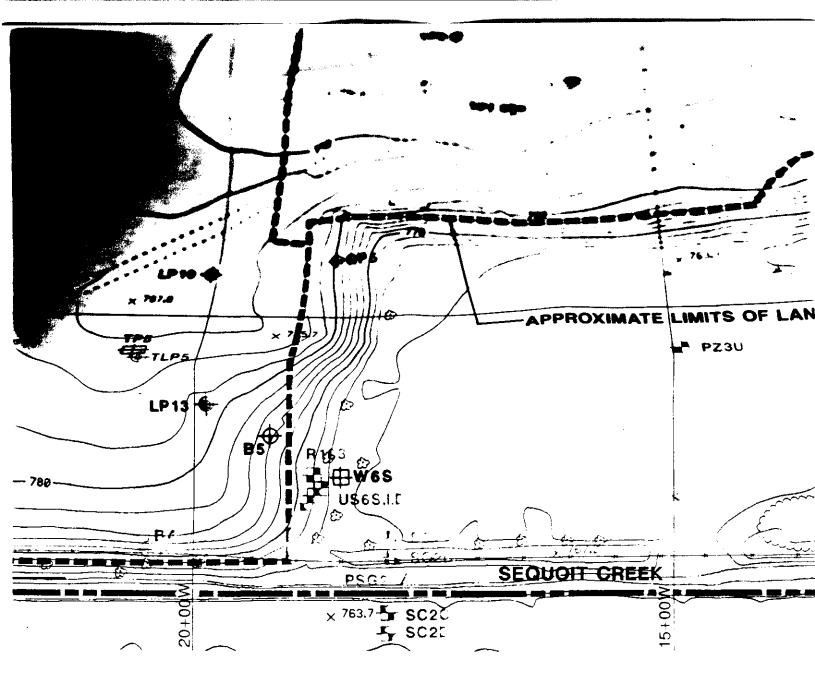


W1S中









PZ 1U

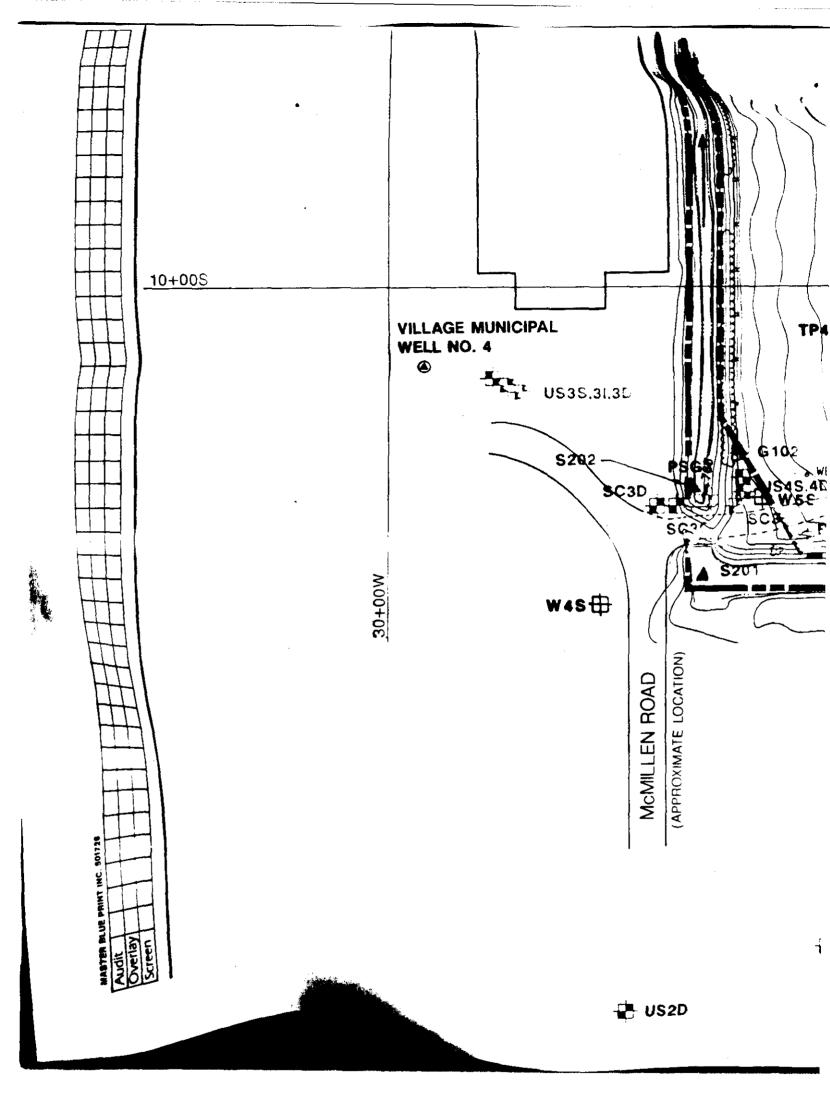
PZ2U

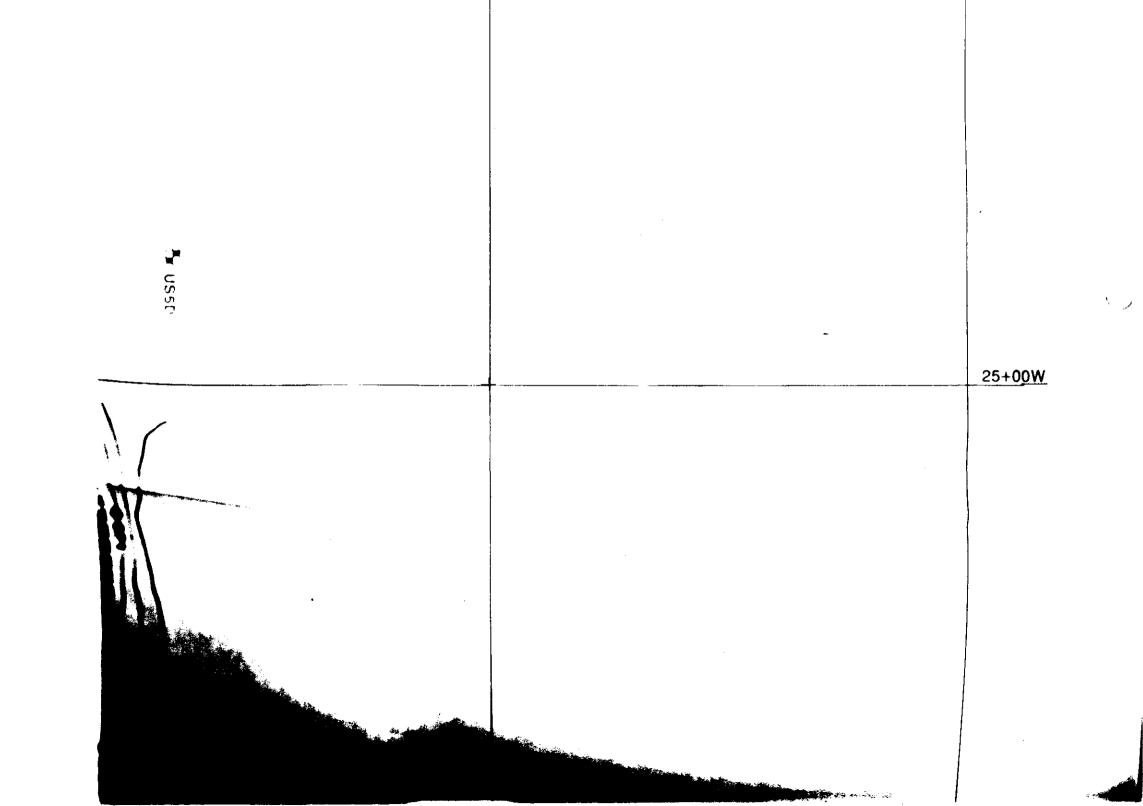
₽ US2D

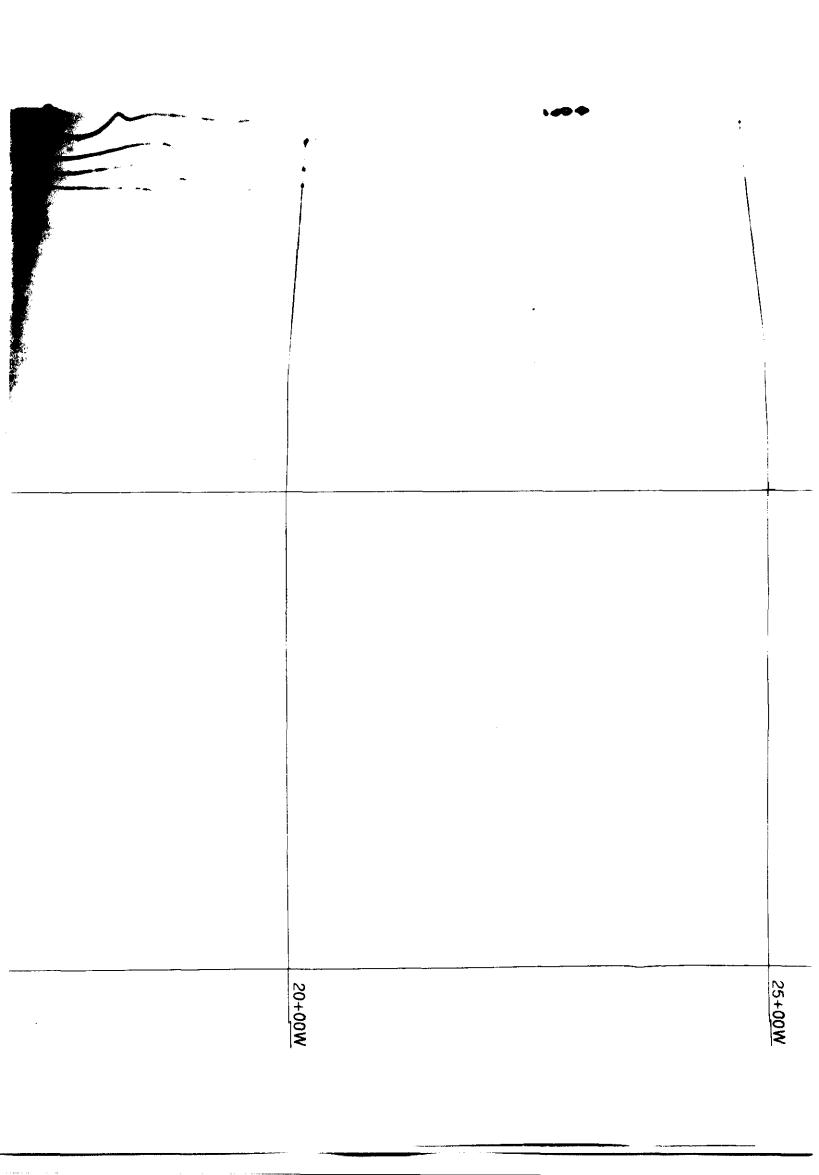
PZ2L

US2D

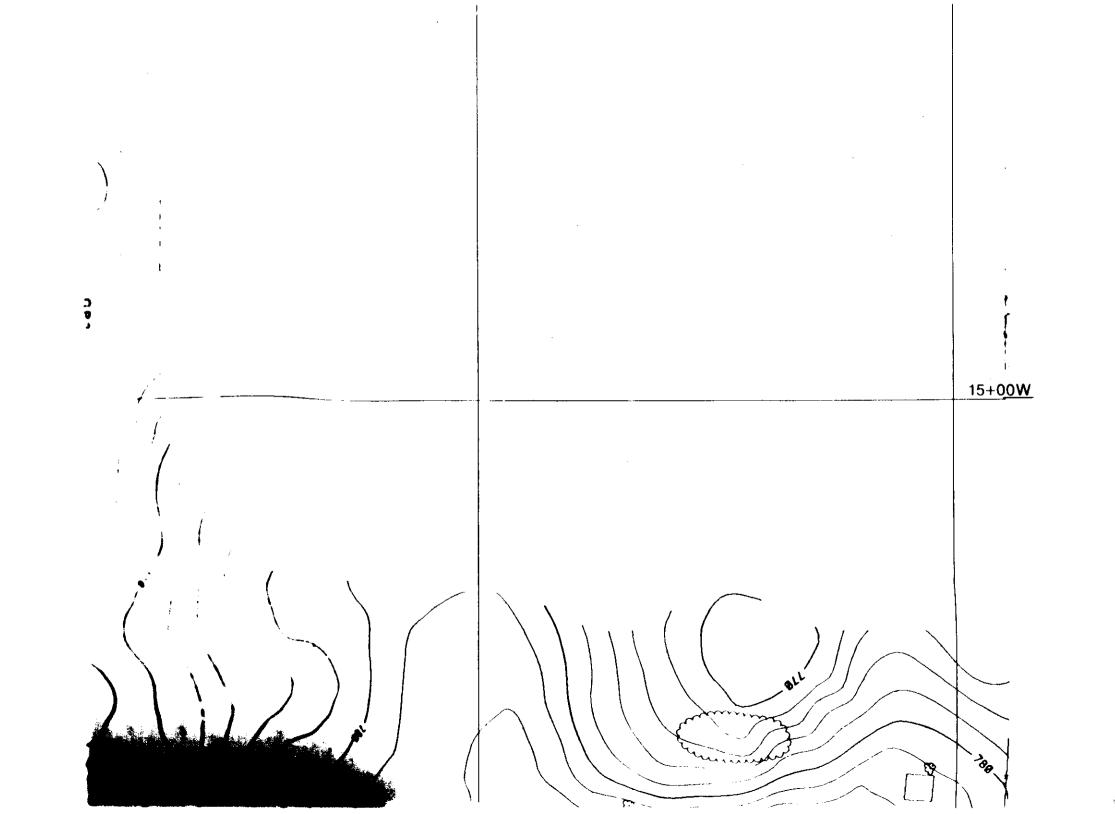
1	(5) +00N	10+00N
		,·•.
		30+ 00W
	•	
₽ US50		
250		
	·	25+00W



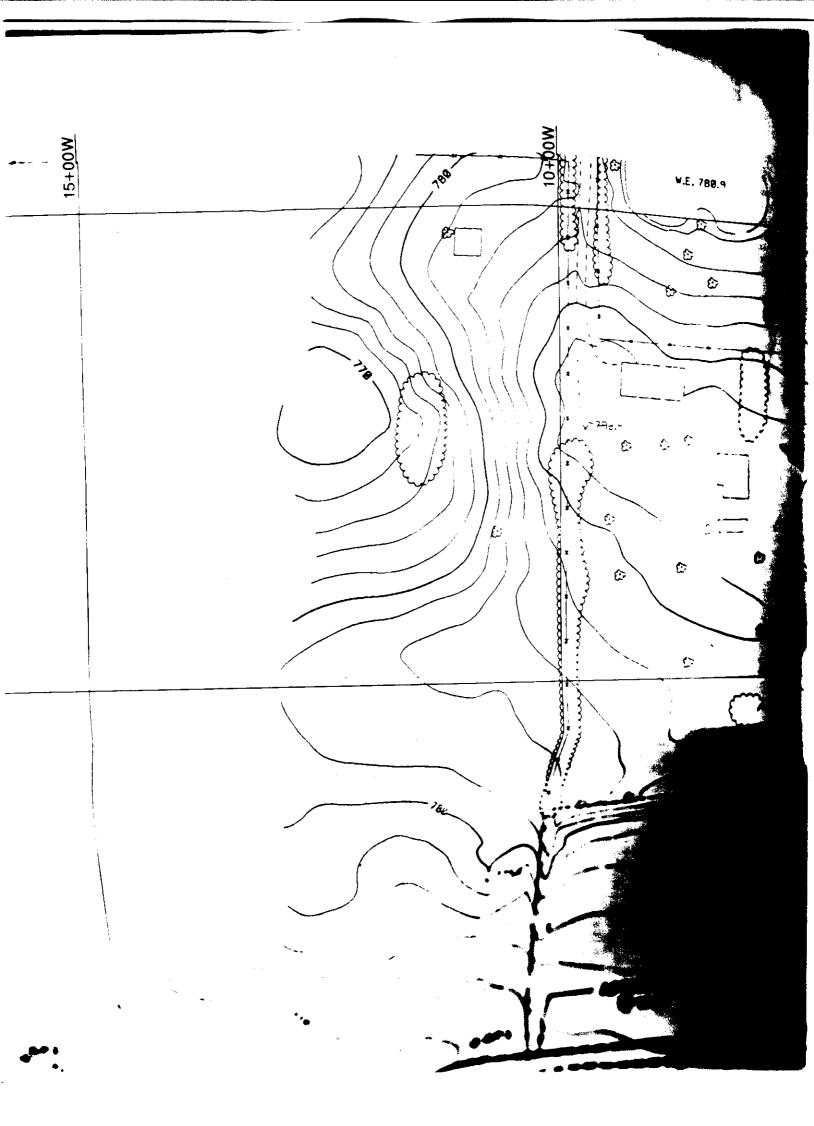


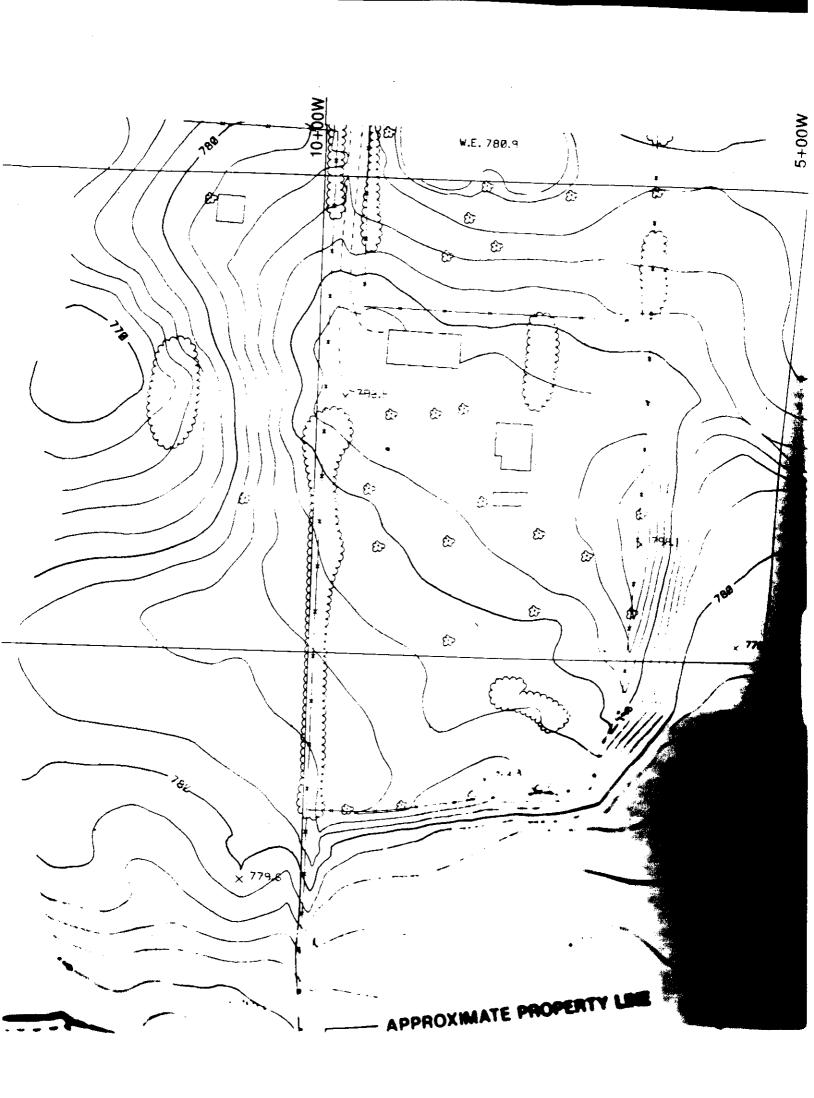


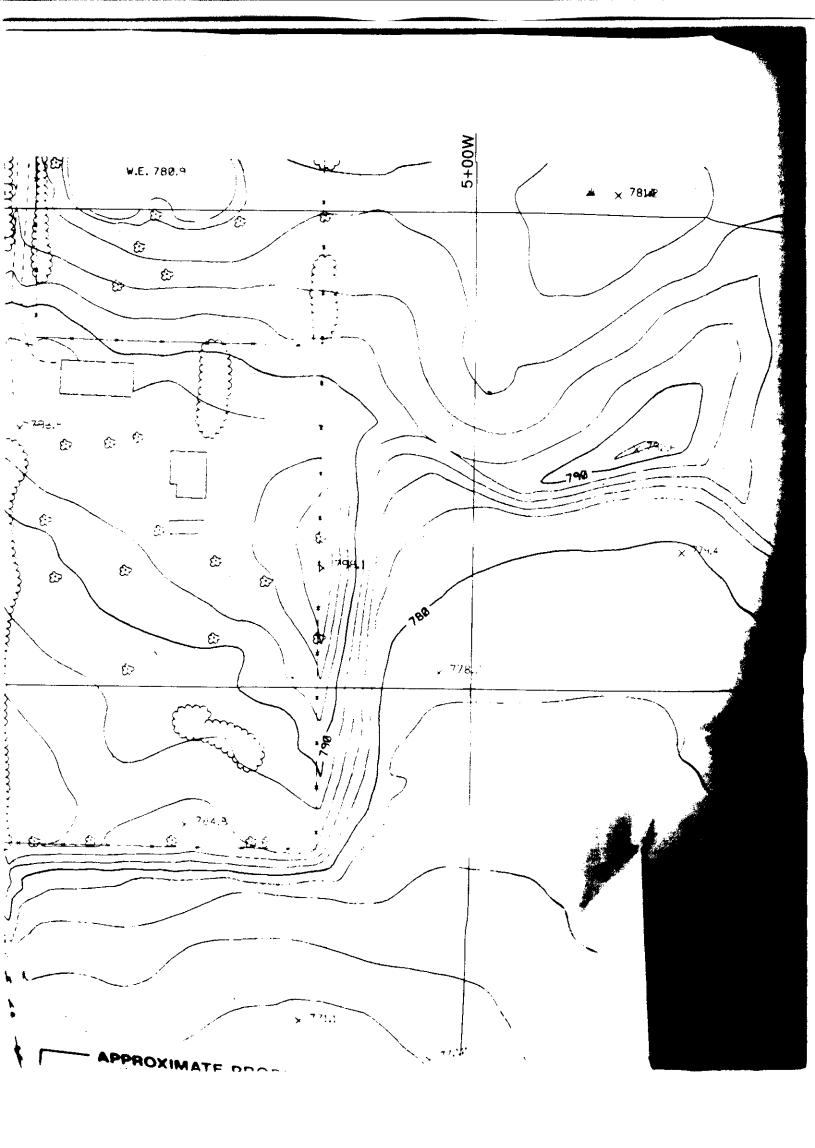
20+00W	



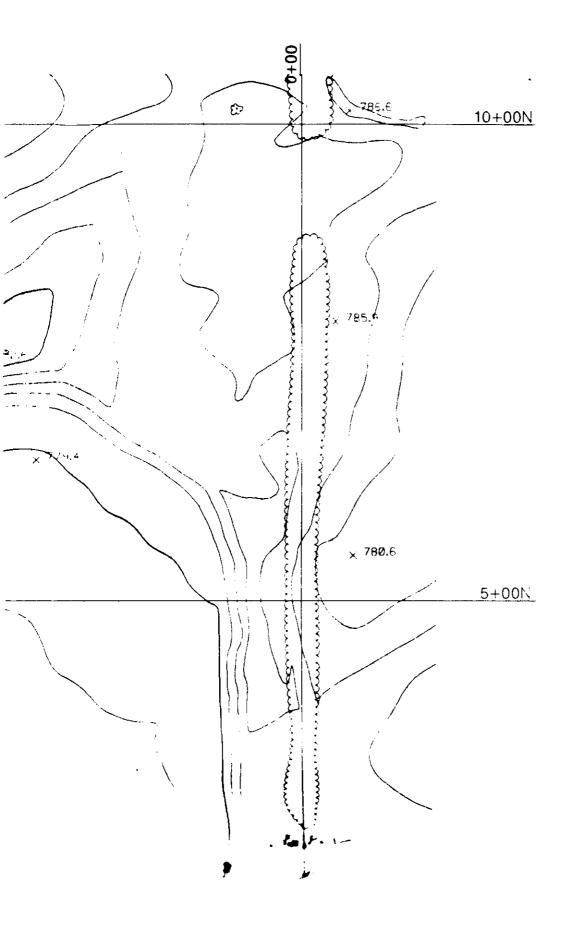
¥











788.5 5+00N

WARZYN	Designed By:	Drawn By: JC	Checked By:
WARZYN ENGINEERING INC.	Approved By:		Date:
			Reference:
	© 1988 - Warzyn Engineering	g Inc All Rights Reserved	

WARZYN INC.
CHICAGO • DETROIT • MADISON • MILWAUKEE • NEW YORK • PHILADELPHIA

BASE MAP DEVELOPED FROM DRAWING PROVIDED BY WASTE MANAGEMENT OF ILLINOIS INC., DATED JANUARY 15, 1990.

Santania Maria

north

SCALE IN FEET

18

Project Number 60953

1

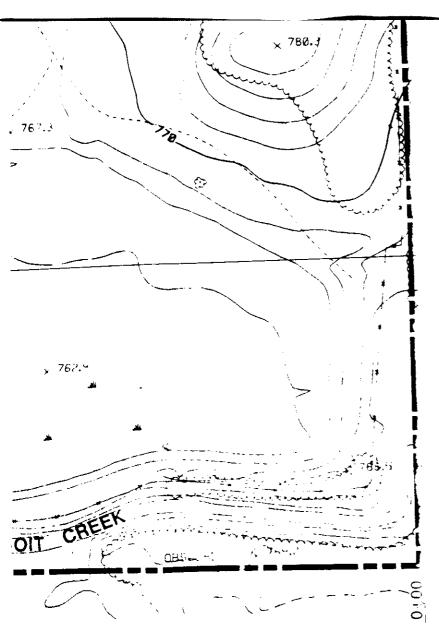
Sheet Number

SITE FEATURES MAP

PRELIMINARY SITE EVALUATION REPORT

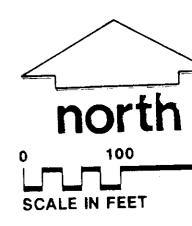
H.O.D. LANDFILL RI/FS

<u>_0</u> ₹ 00



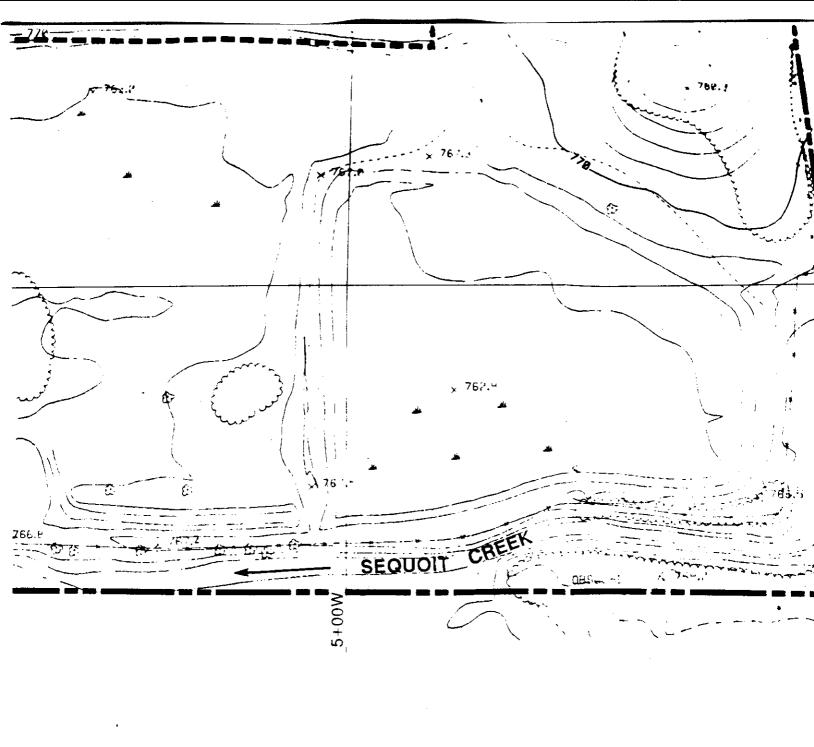
NOTES

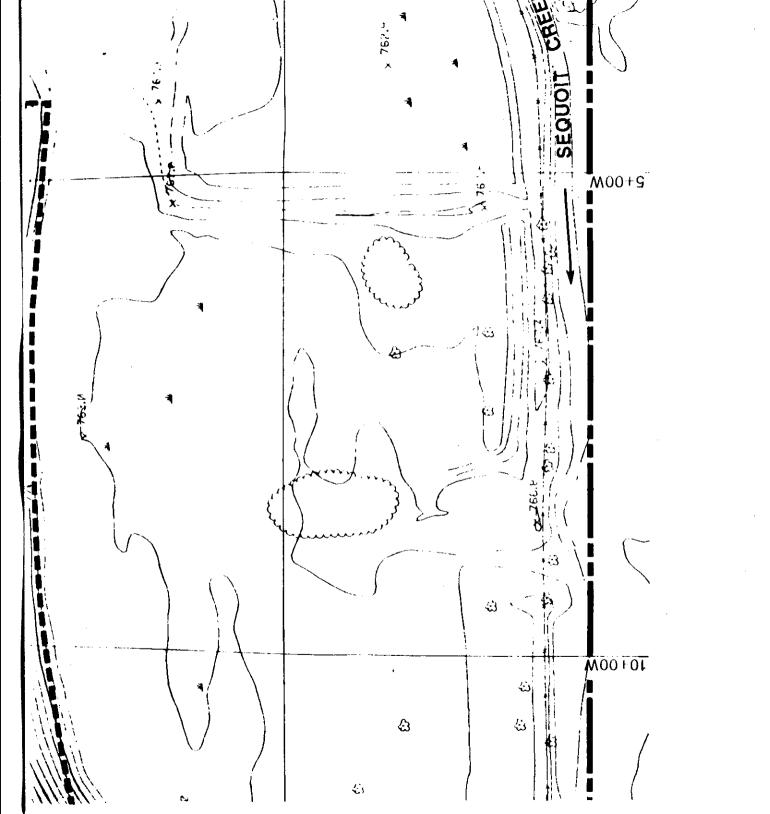
1. BASE MAP DEVELOPED FROM DRAWING PROVIDED B WASTE MANAGEMENT OF ILLINOIS INC., DATED JANUARY 15, 1990.

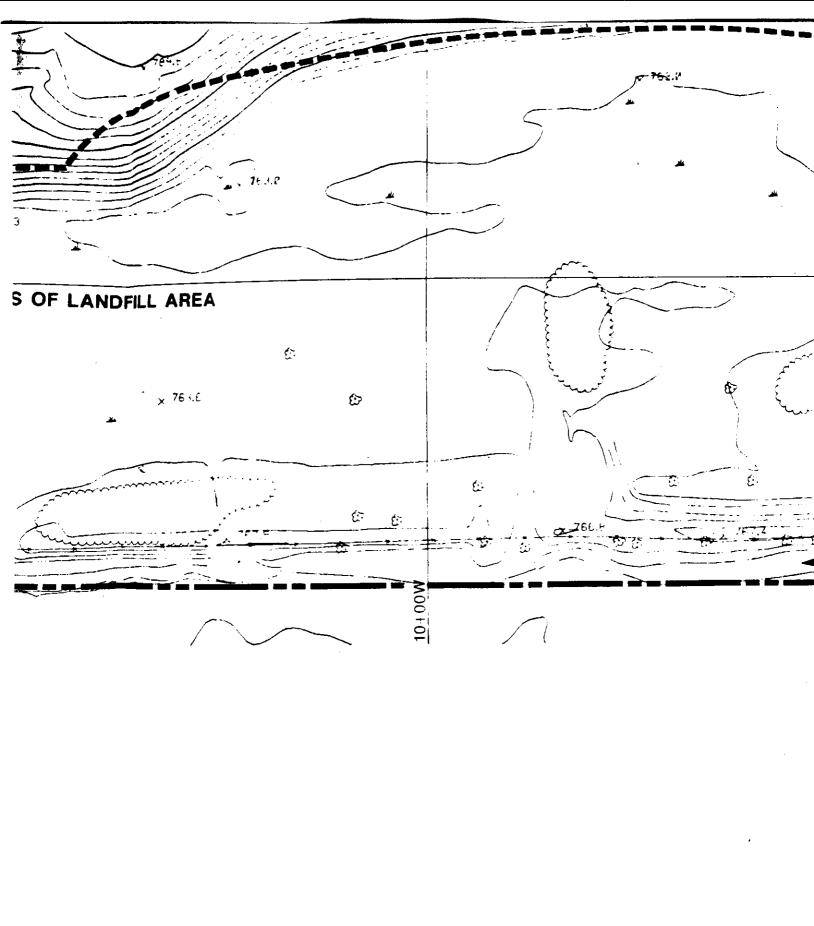


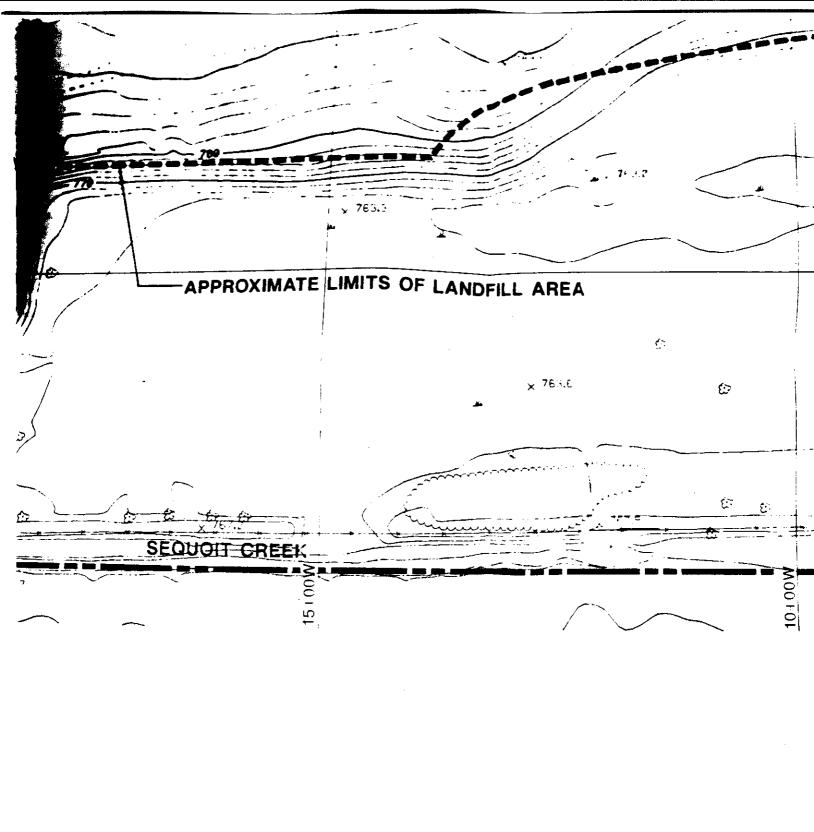
5°294 × £•09∠ ×

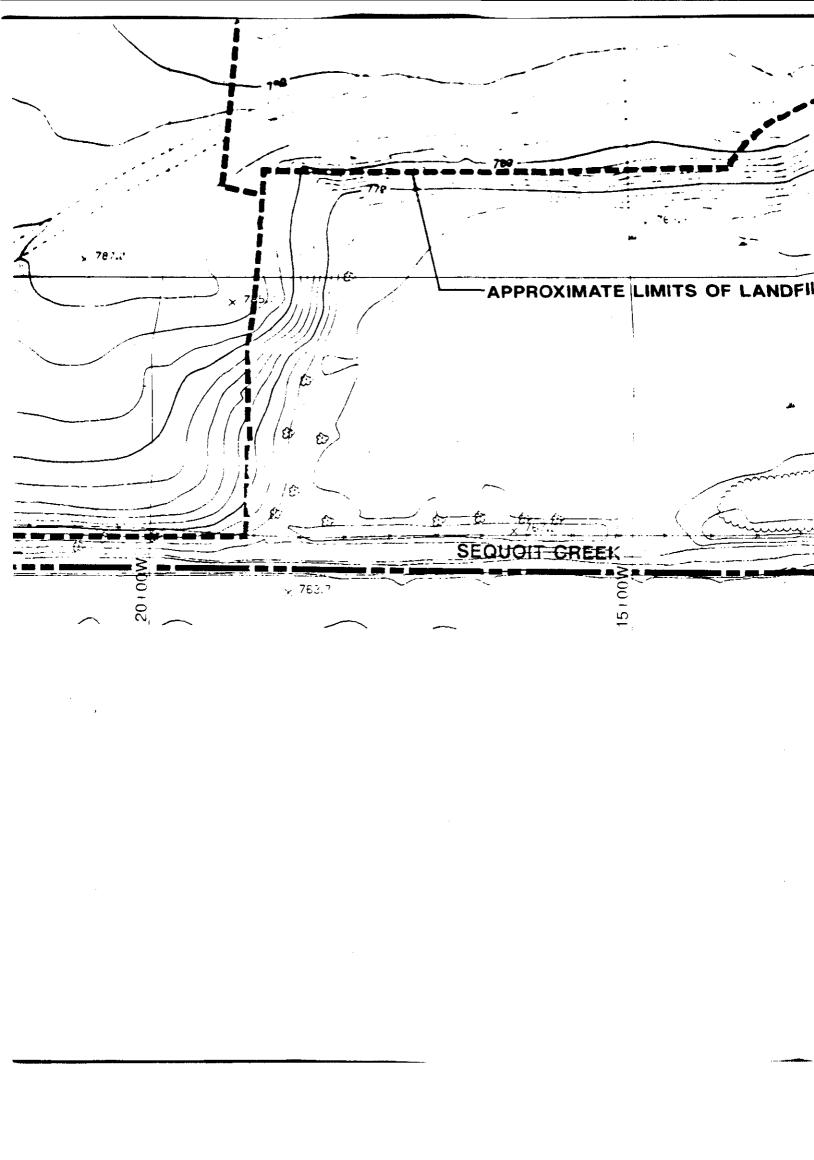
NOTES MASTE IN WASTE IN WASTE IN

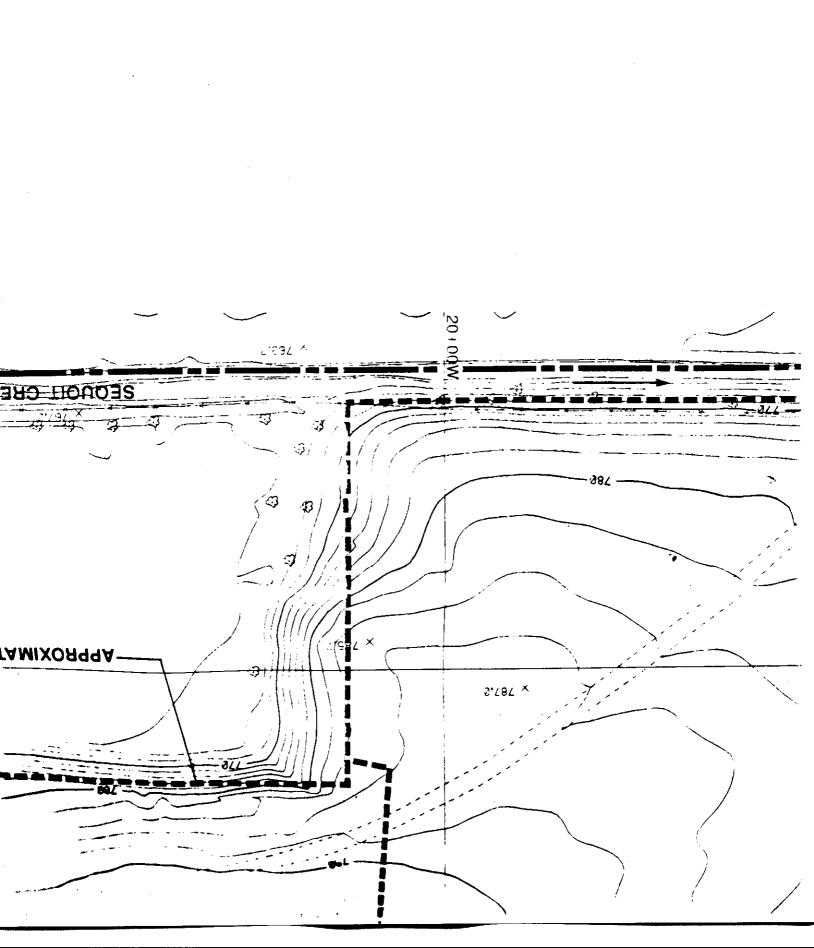


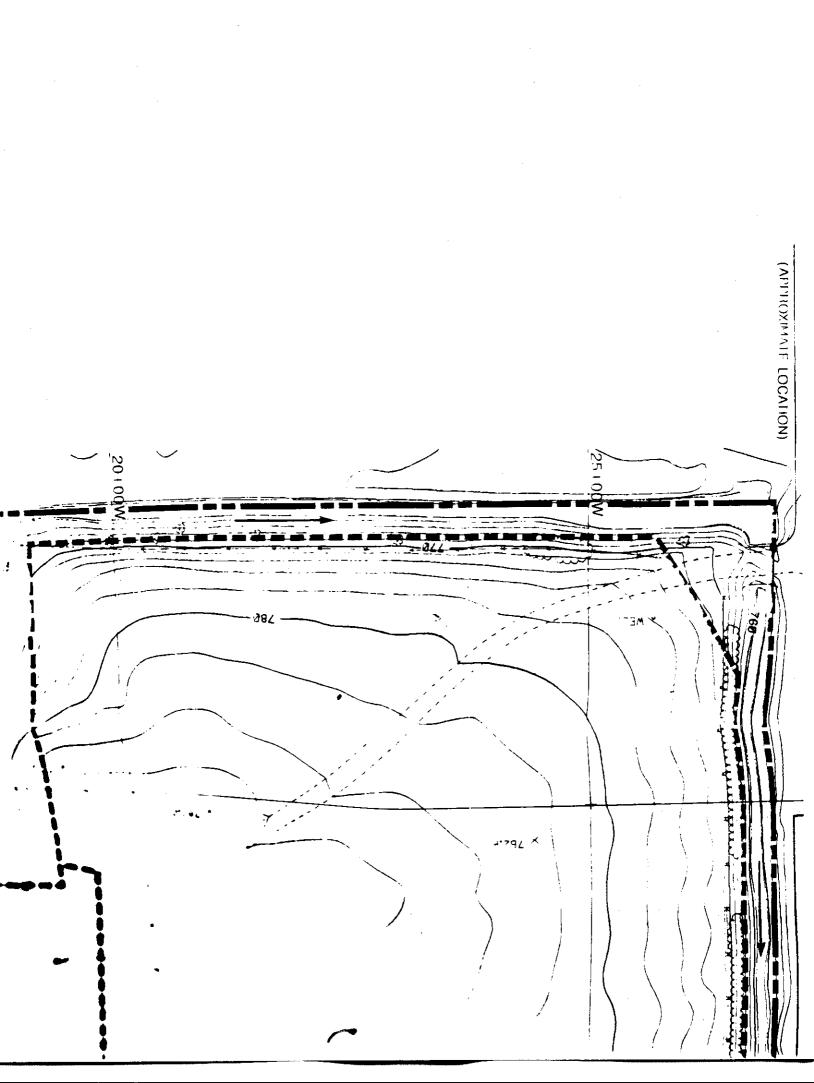


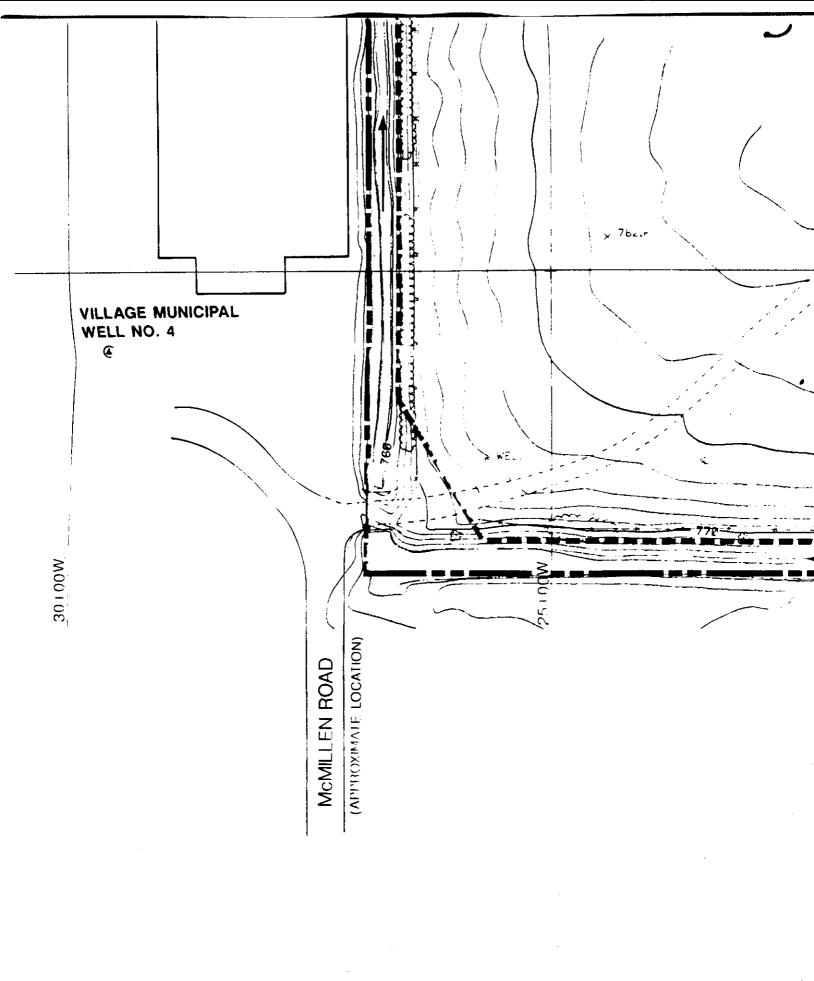


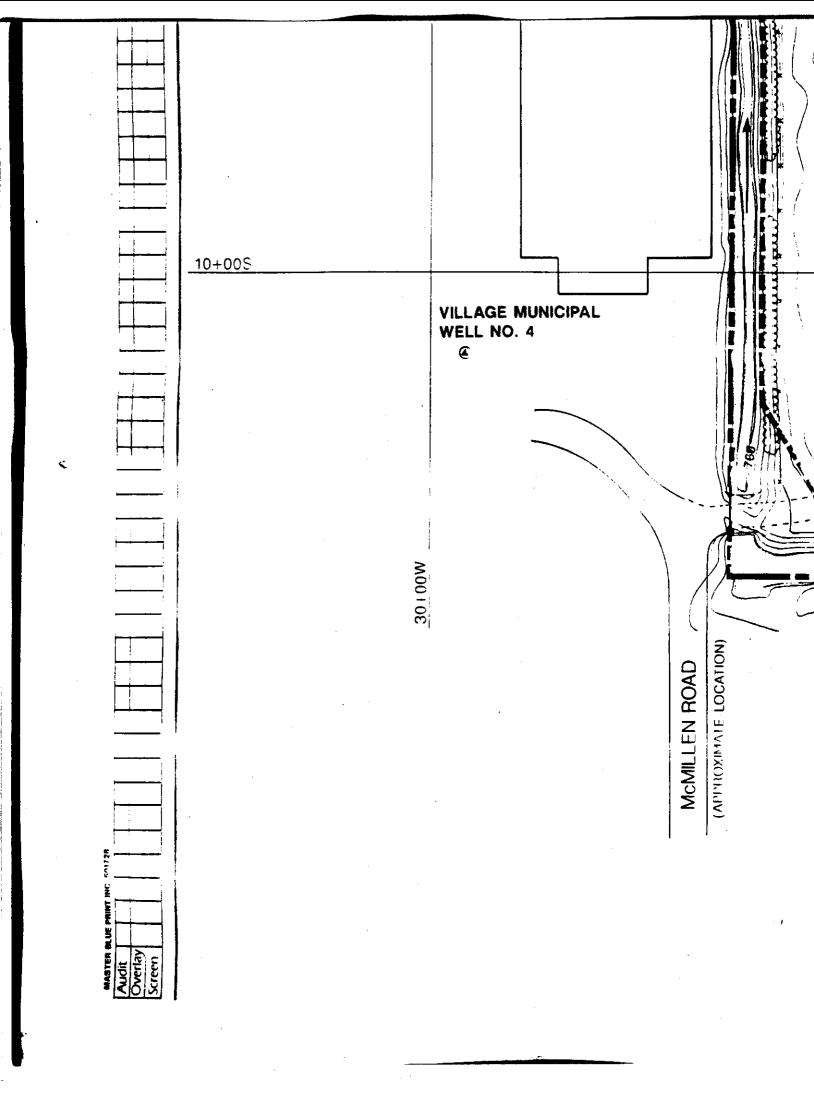










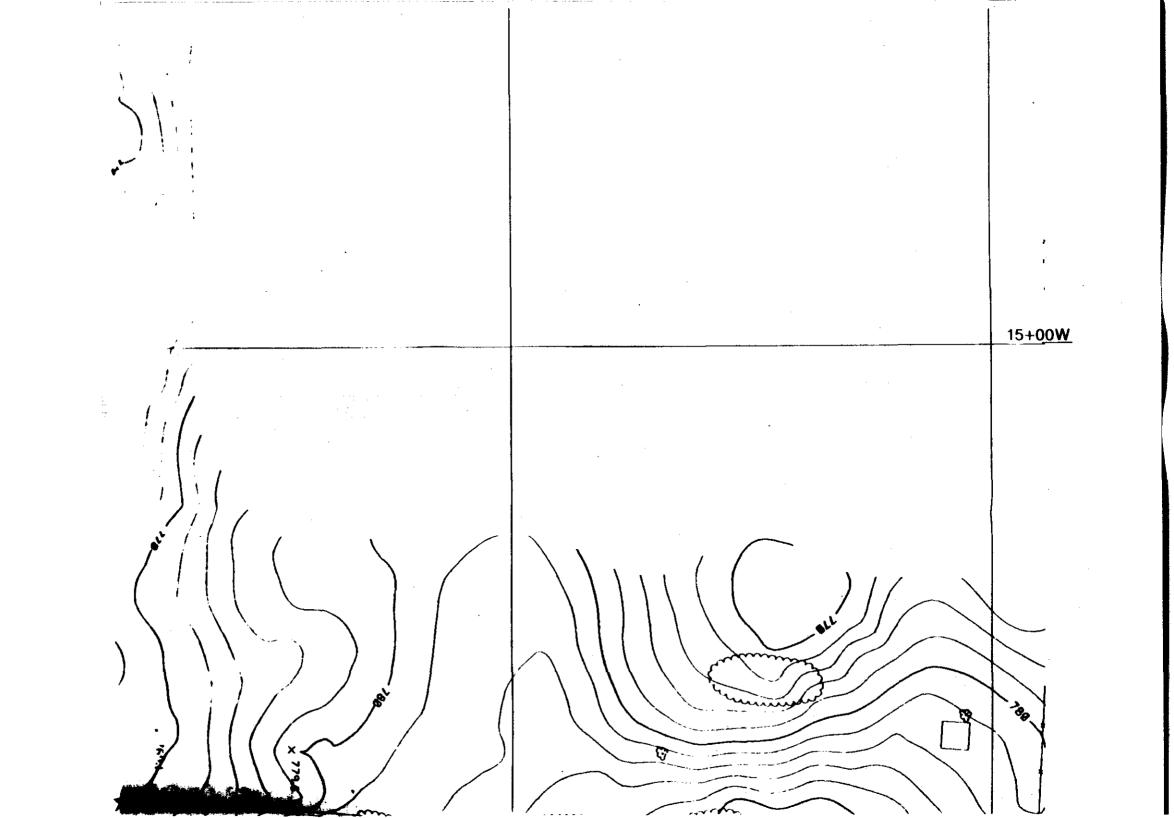


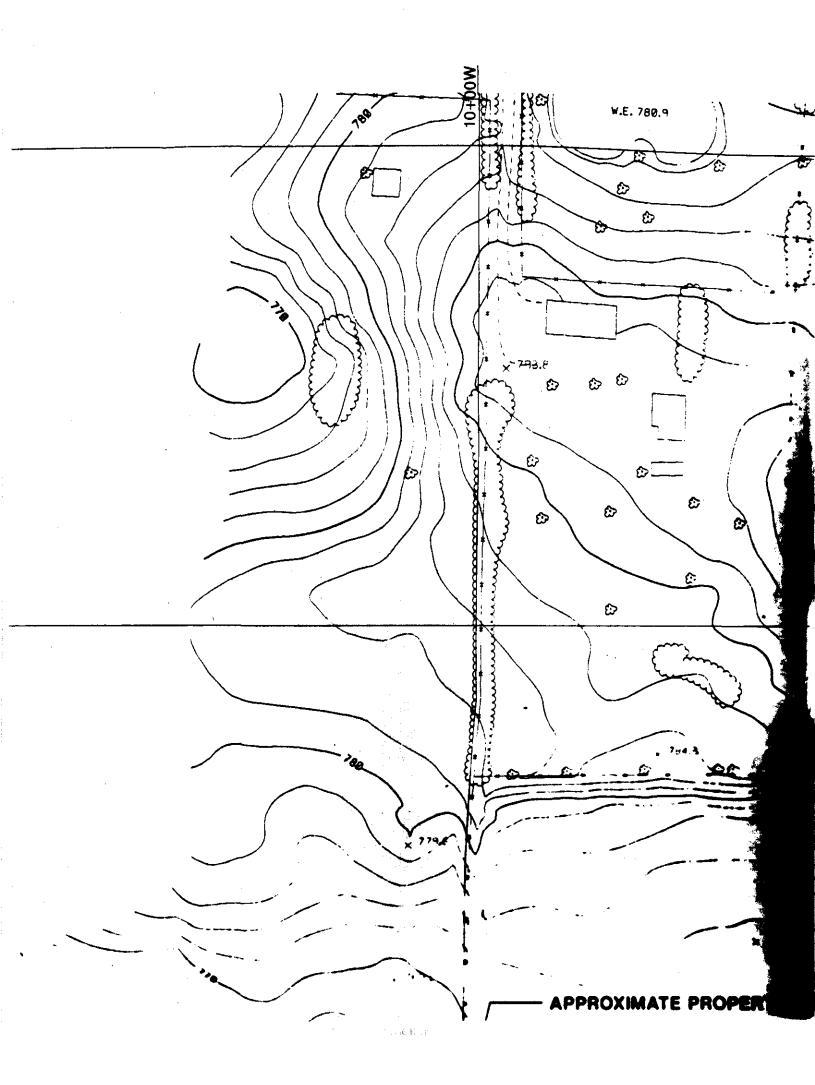
30+00W 25+00W

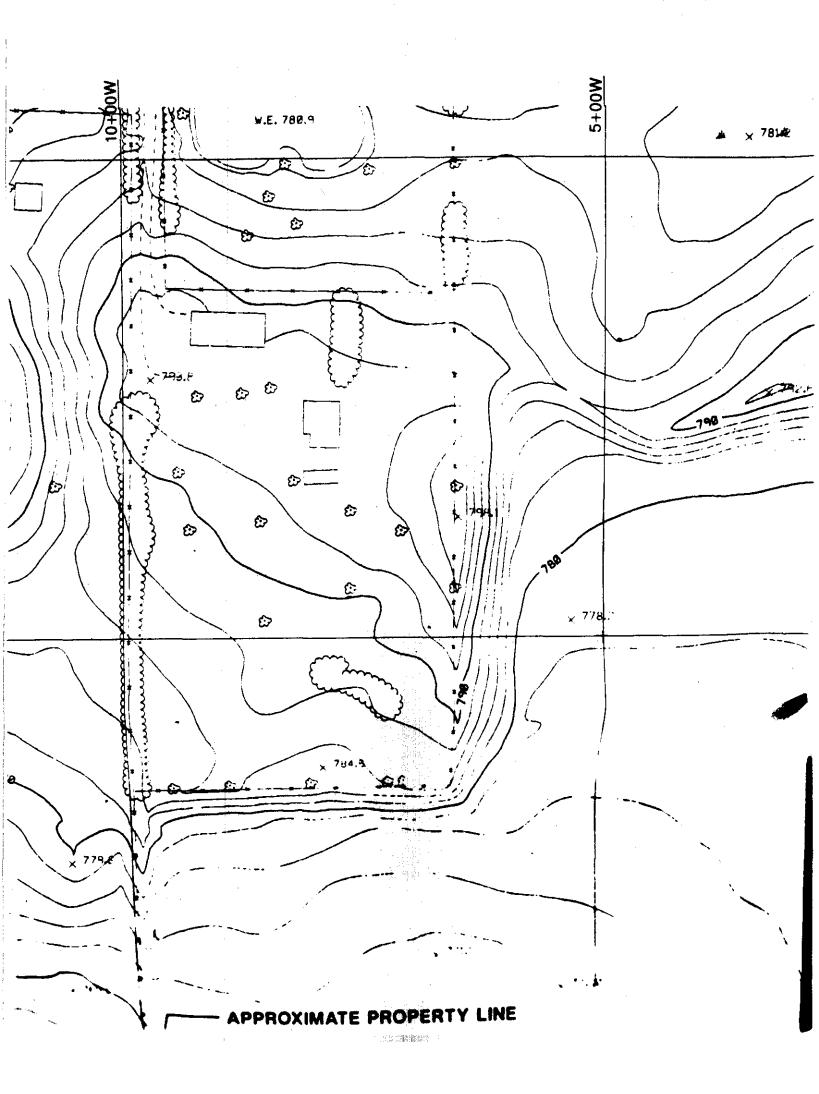
25+00W

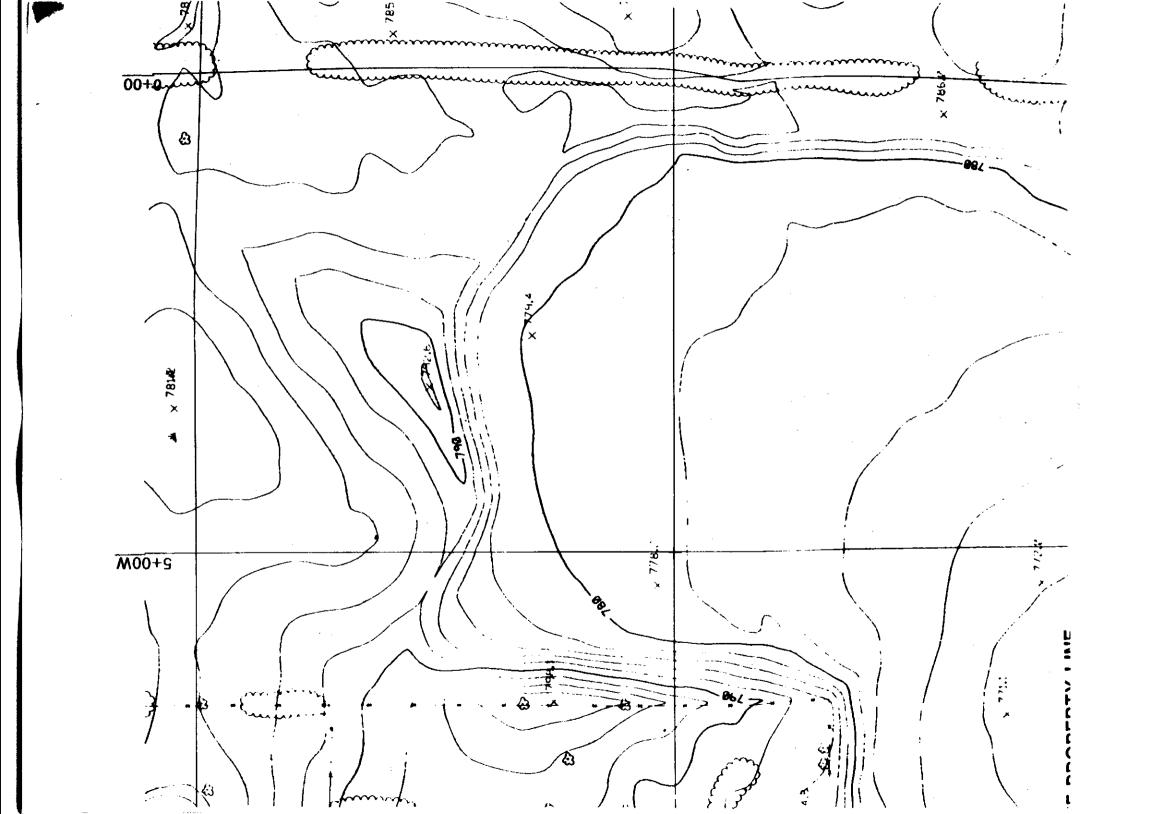
	25+0 0W
	r
•	1
	-
	20+0 <mark>0W</mark>

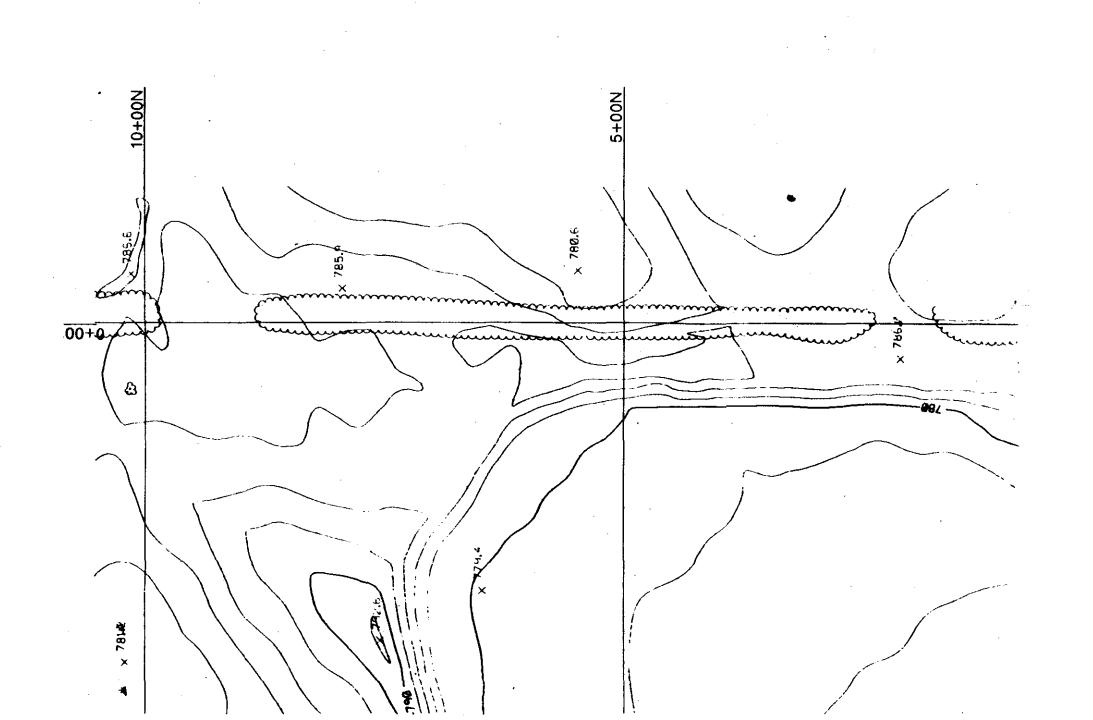
		 	20+0 <mark>0W</mark>
			·
		•	
/ ;			
•			, i
			,
			15+00W
	·	•	
		• •	











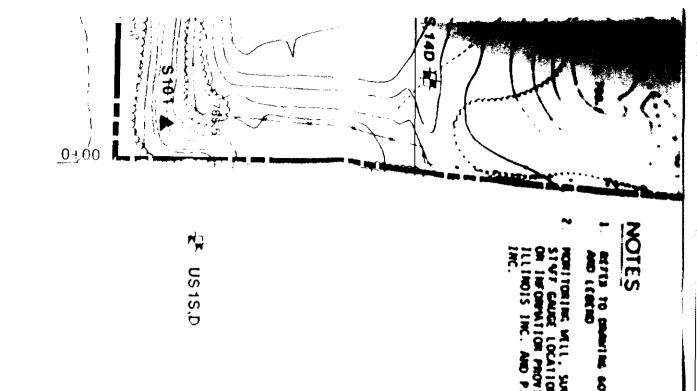
WARZYN	Designed By:	Drawn By: JC
WARZYN ENGINEERING INC.	Approved By:	

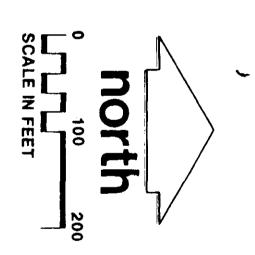
© 1988 • Warzyn Engineering Inc. • All Rights Reserved.

Checked By:

Reference:

Date:





GROUNDWATER AND SURFACE WATER MONITORING LOCATION MAP

PRELIMINARY SITE EVALUATION REPORT

H.O.D. LANDFILL RI/FS

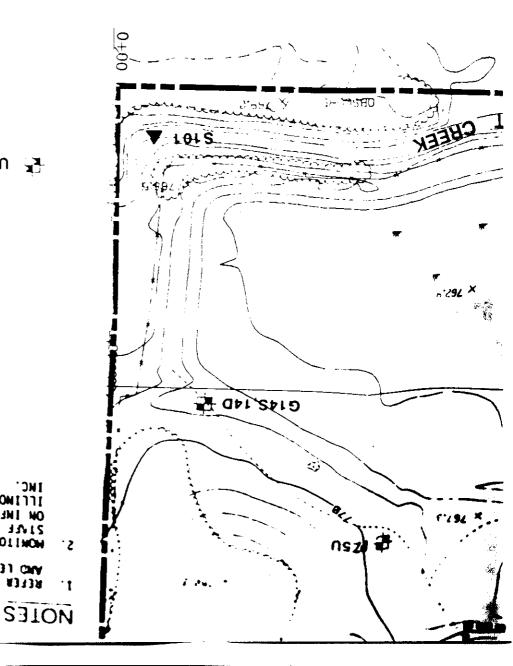
north

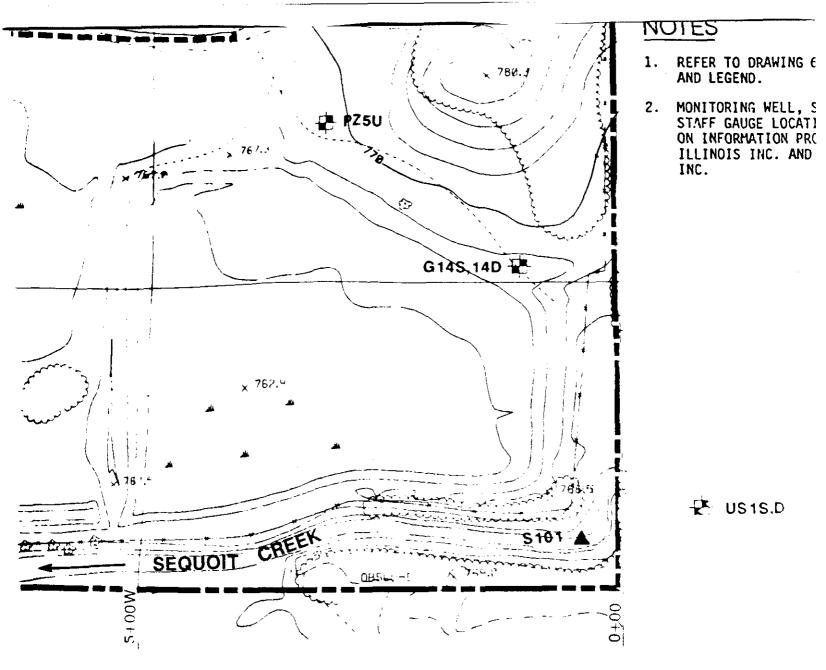
SCALE IN FEET

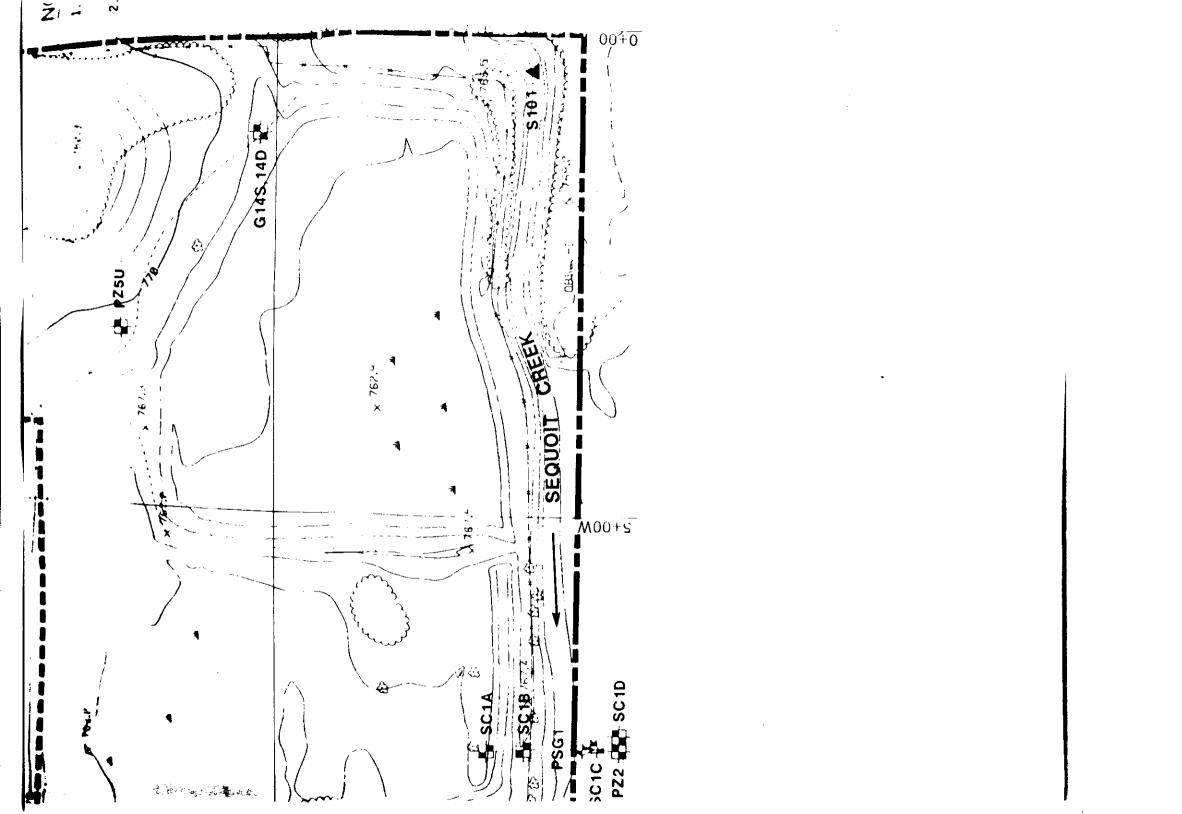
MONITORING WELL, SURFACE MATER MONITORING AND 51-VF GAUGE LOCATIONS HAVE BEEN LOCATED BASED ON INFORMATION PROVIDED BY WASTE HANAGEMENT OF ILLINOIS INC. AND P.E. LANOREAUX AND ASSOCIATE

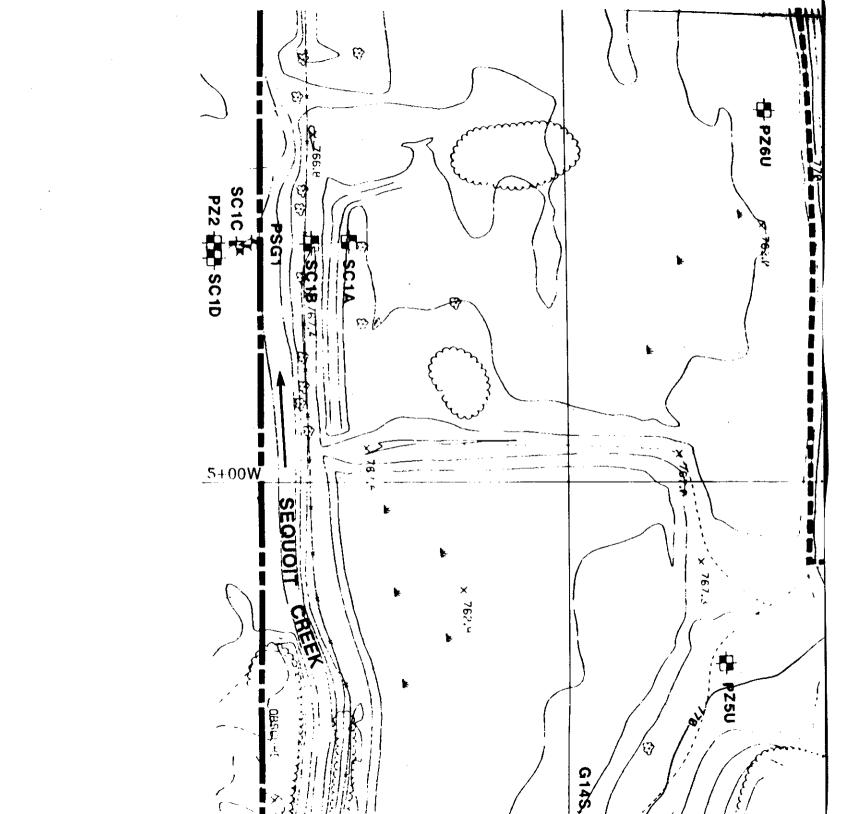
REFER TO CREMING 60953-FT FOR ACCITIONAL NOTE:

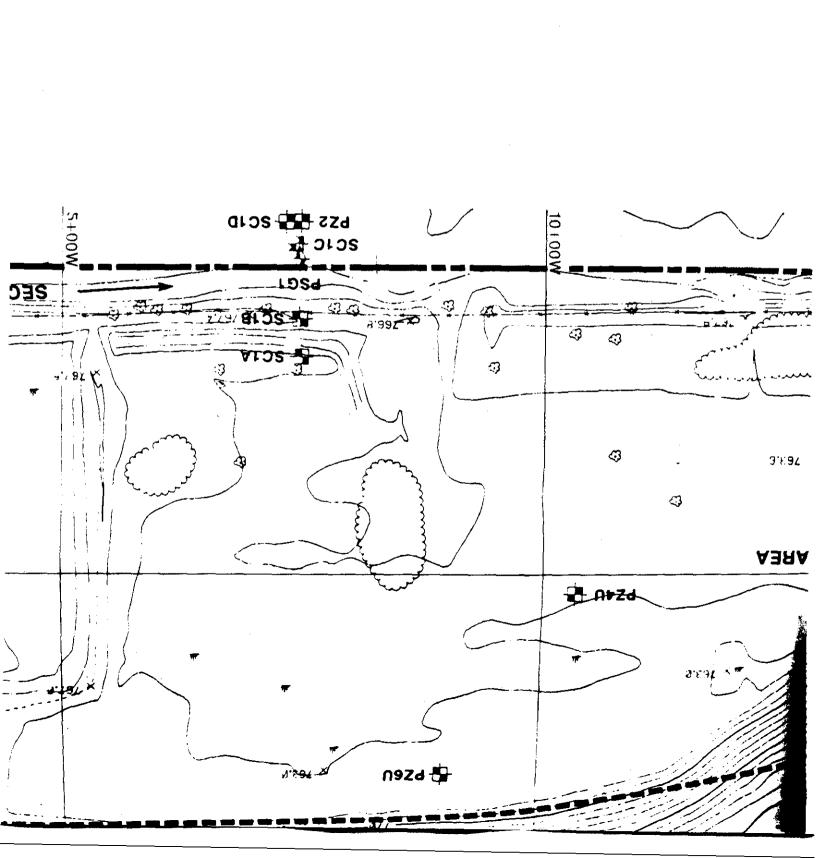
a,ereu 🐴

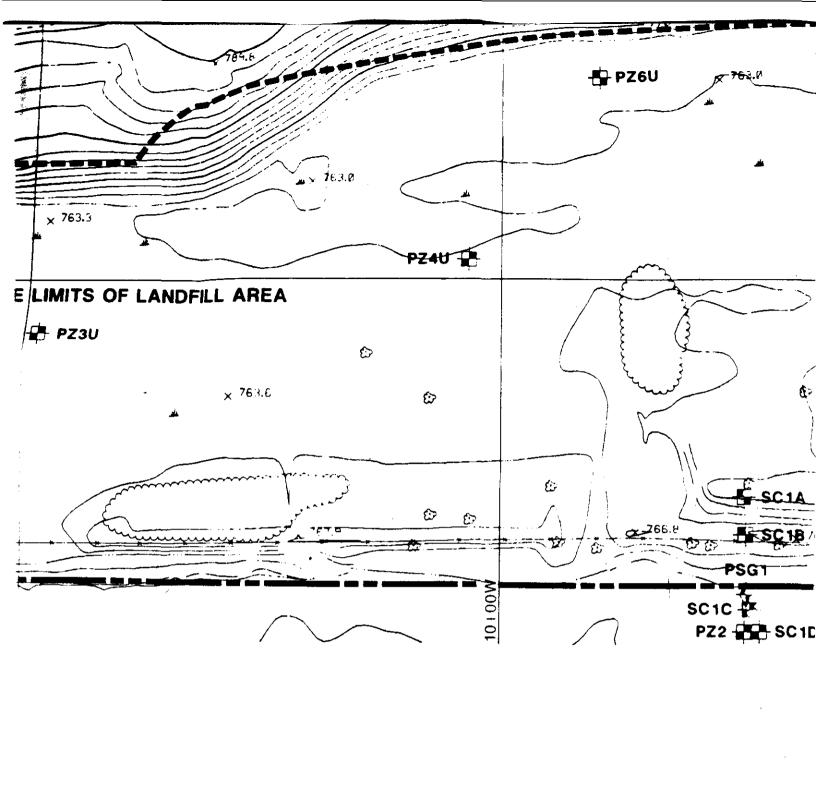


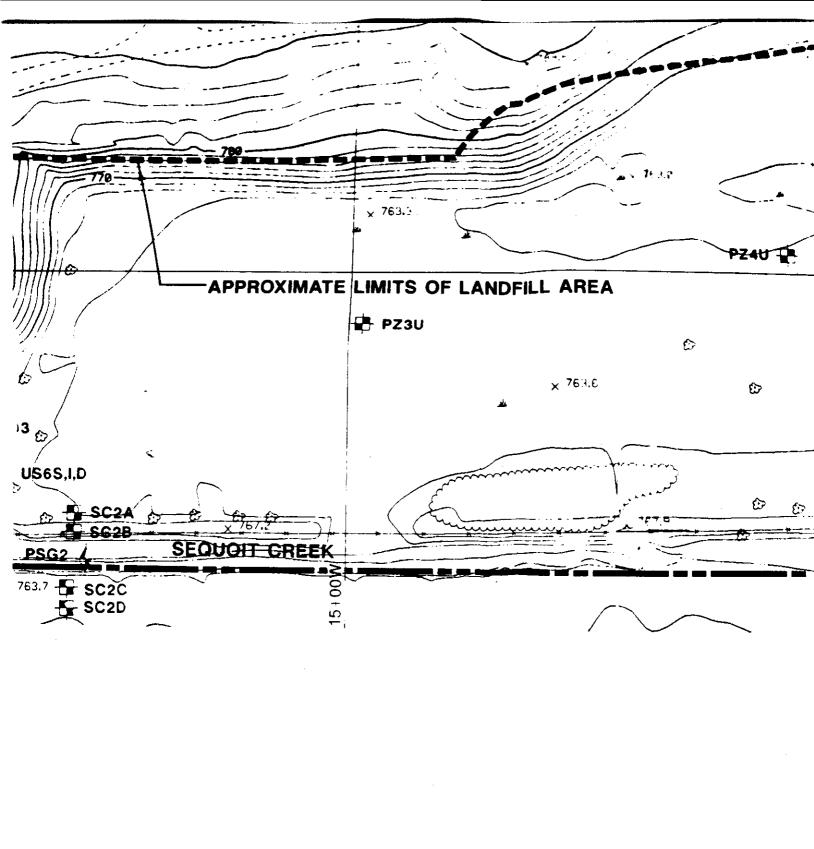


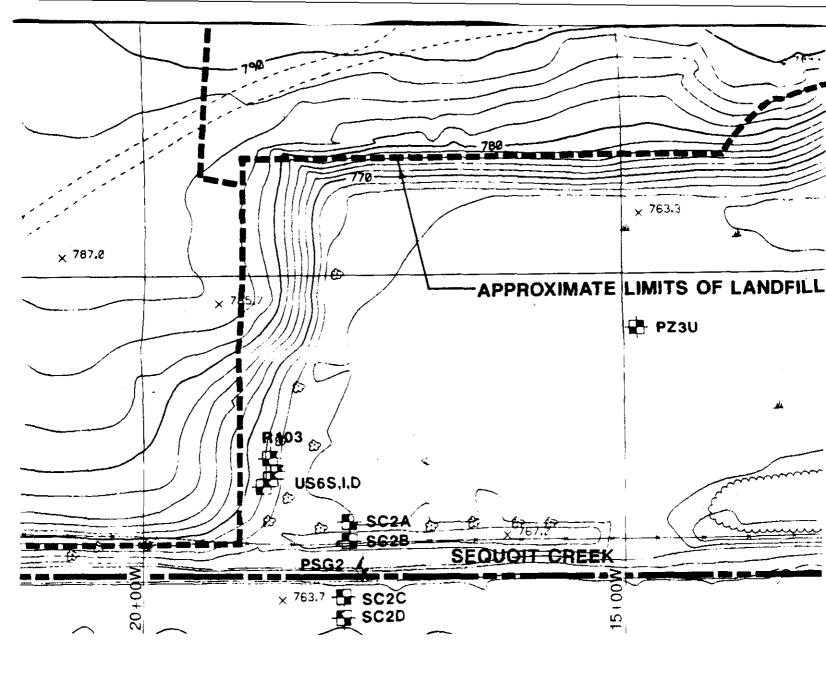






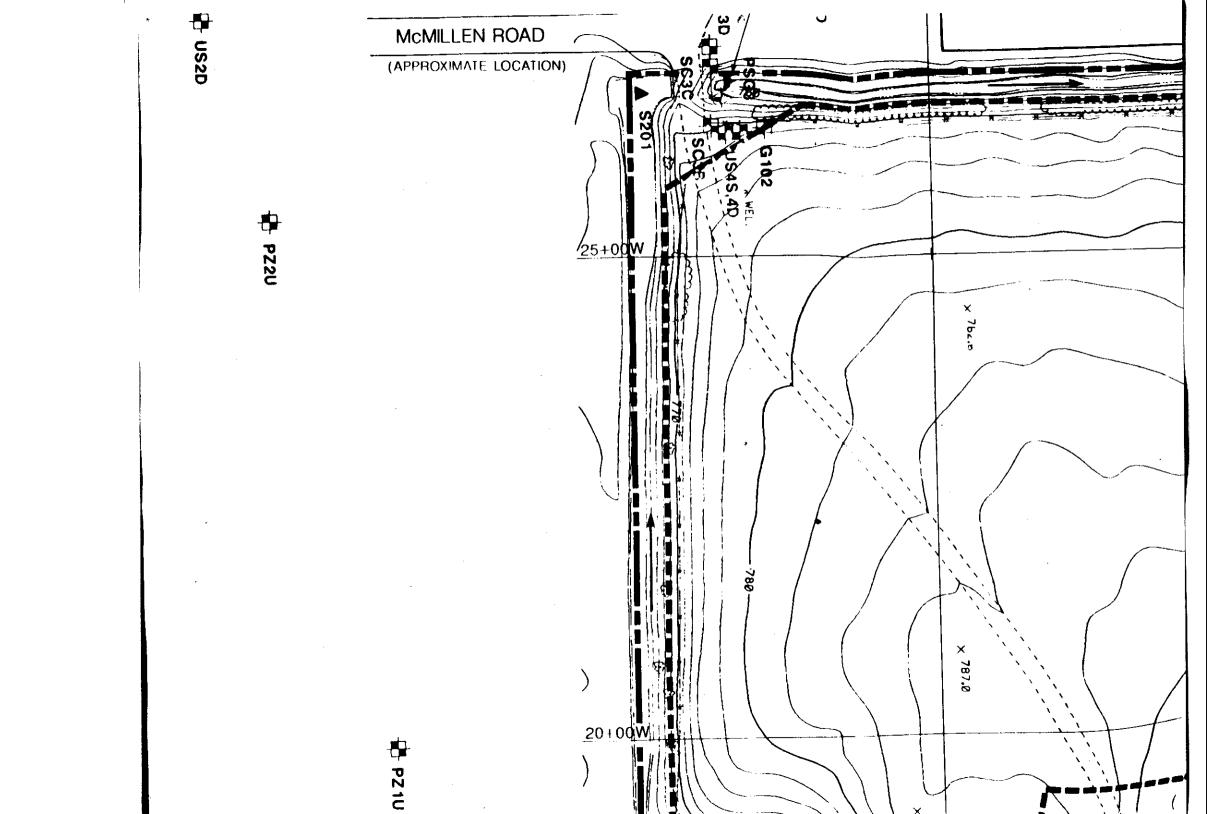


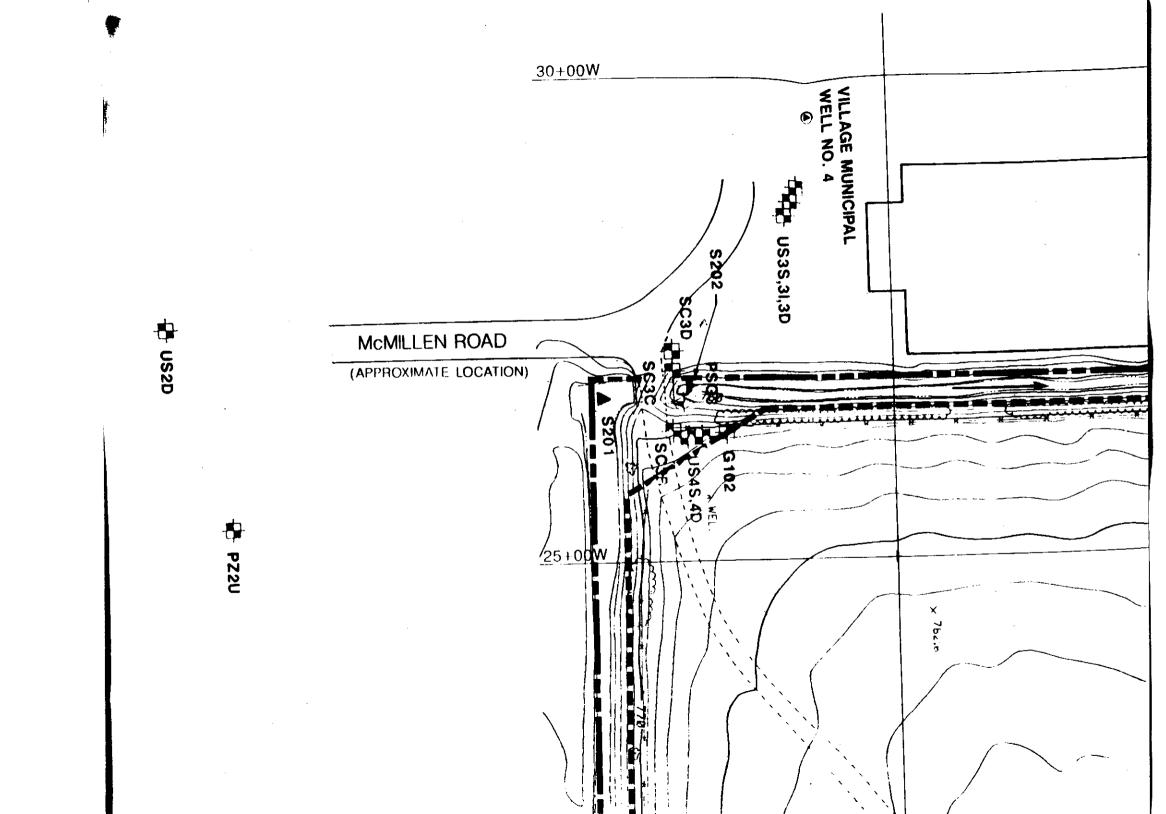




🖶 PZ 1U

PZ 1U





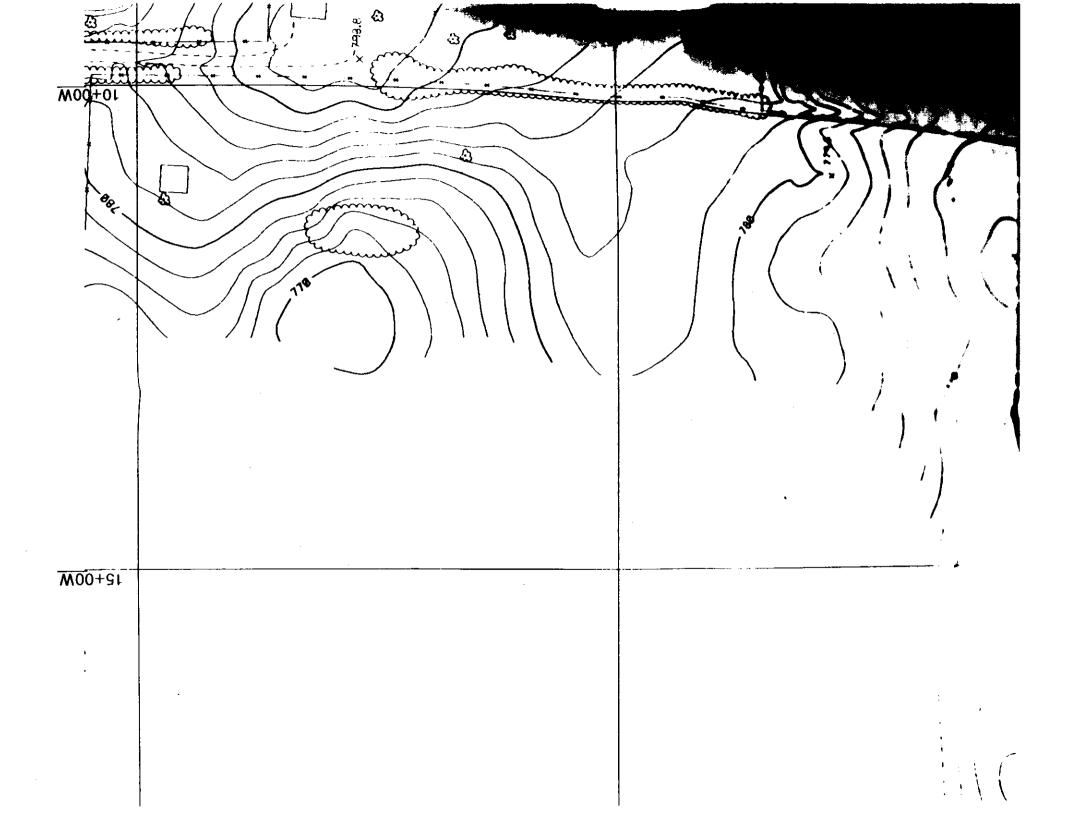
MASTER BLUE PRINT INC. 501728 Audit Overlay Screen 30+00W VILLAGE MUNICIPAL WELL NO. 4 US3S,31,3D ₽ US2D McMILLEN ROAD (APPROXIMATE LOCATION)

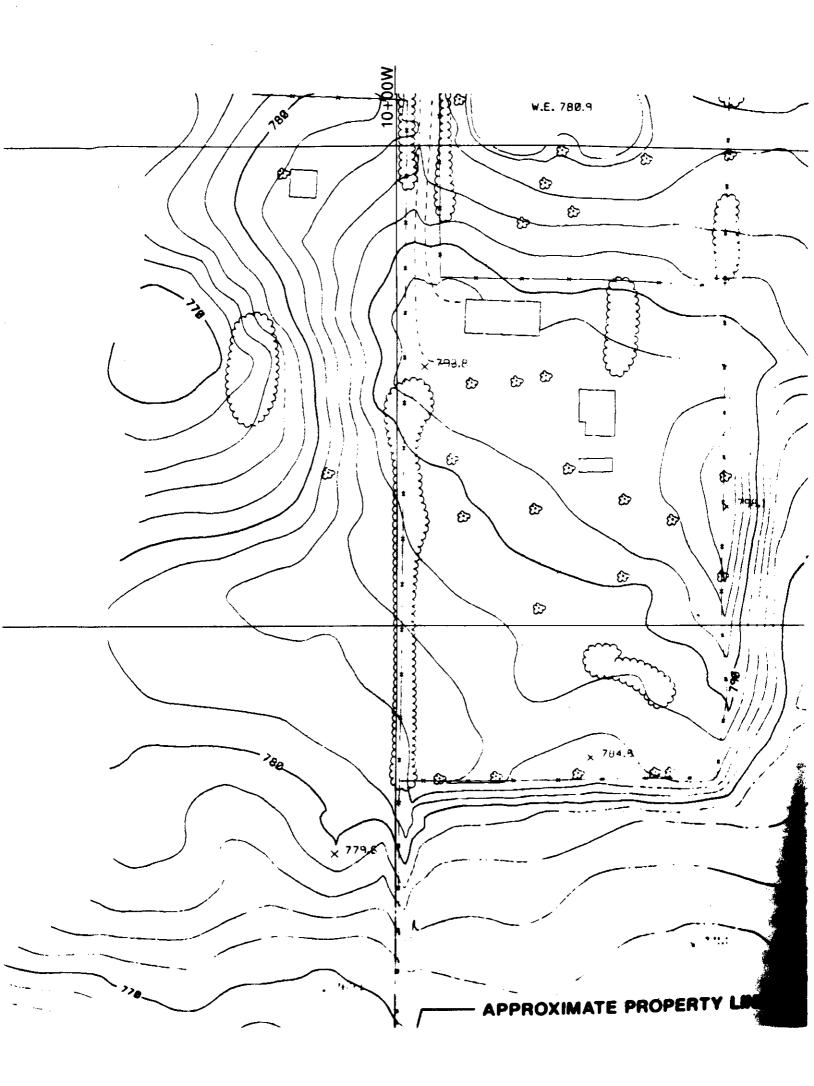
M00+0E 10+00N	1810C - TC
5+00N	
	US5D

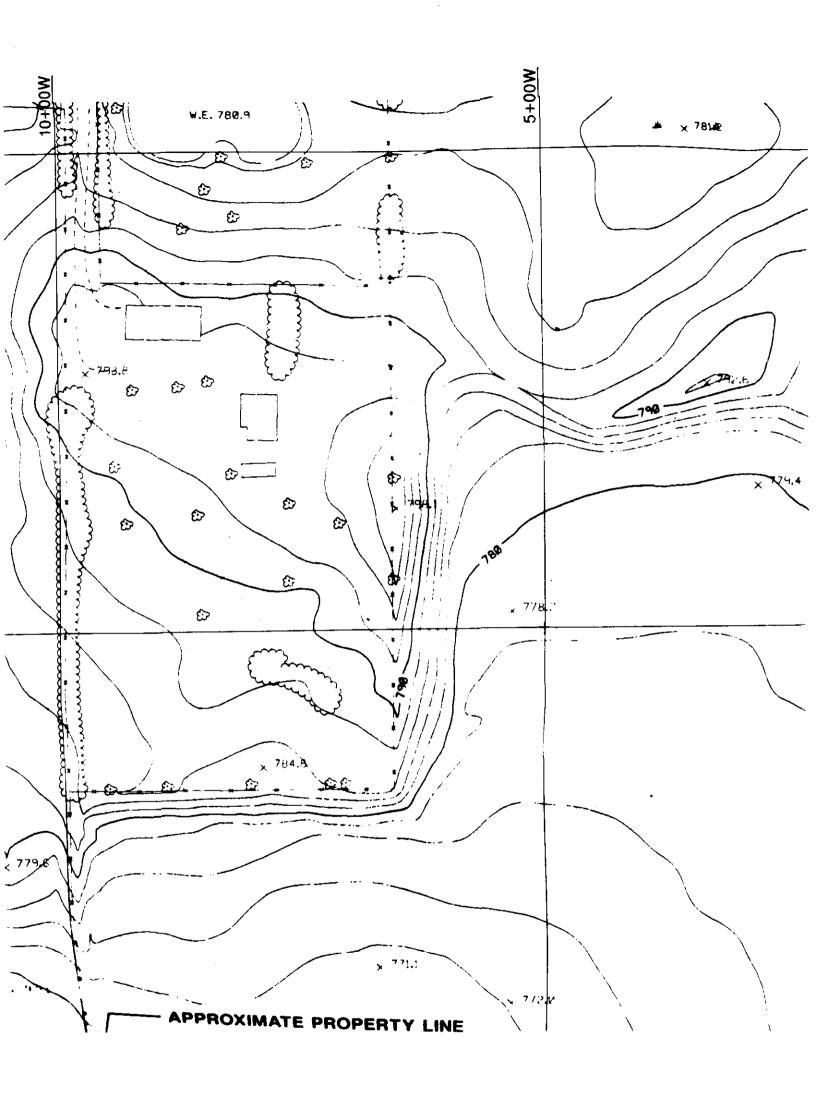
			30+00 W
		·	
	•		
USSD			05 : 00111
			25+0 <u>0W</u>
			A

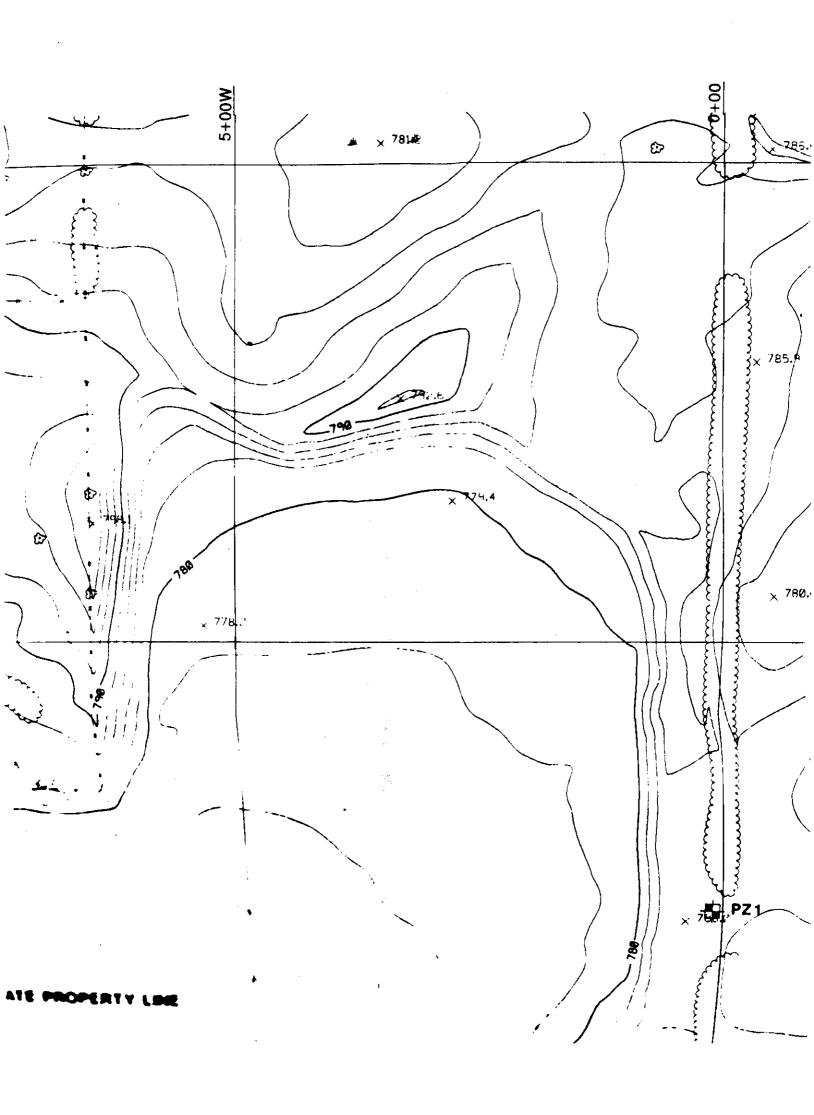
•			
		·	
			20+0 <u>0W</u>

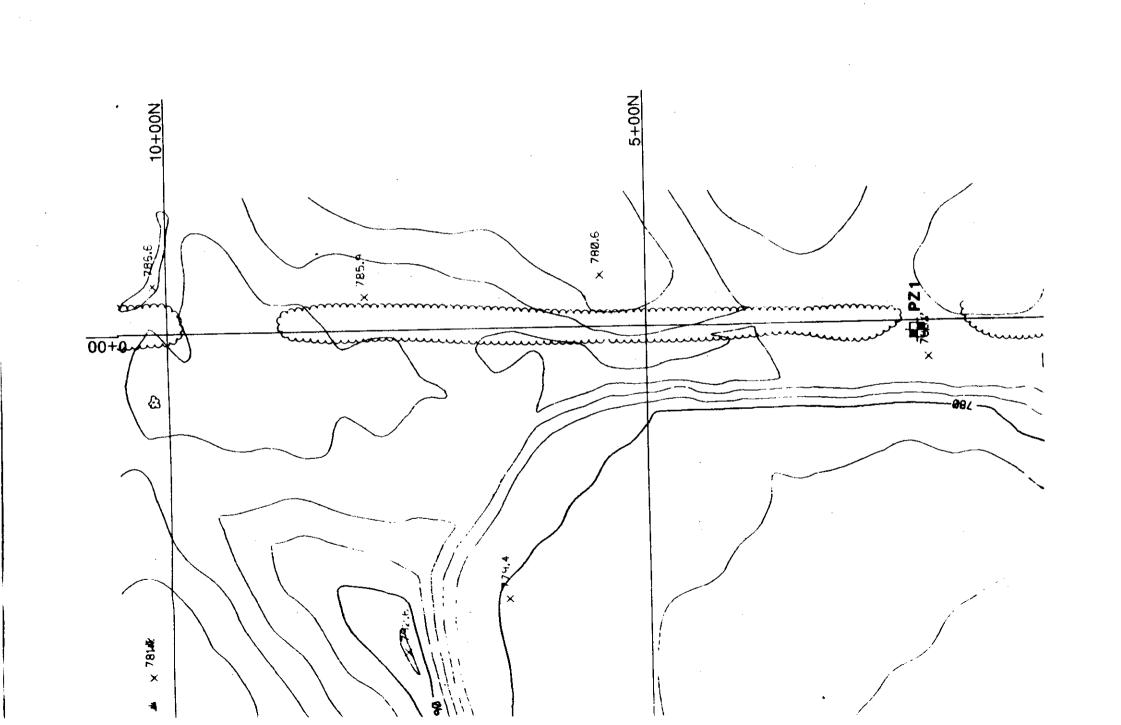
15+QOW		·	20+0 <u>0</u> W
			15+00 W

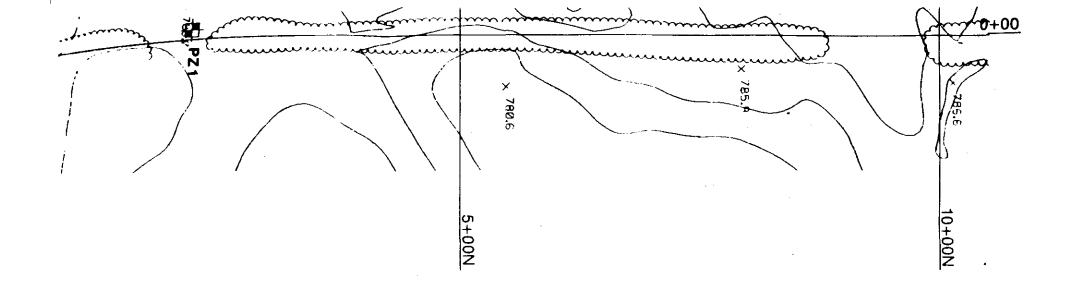




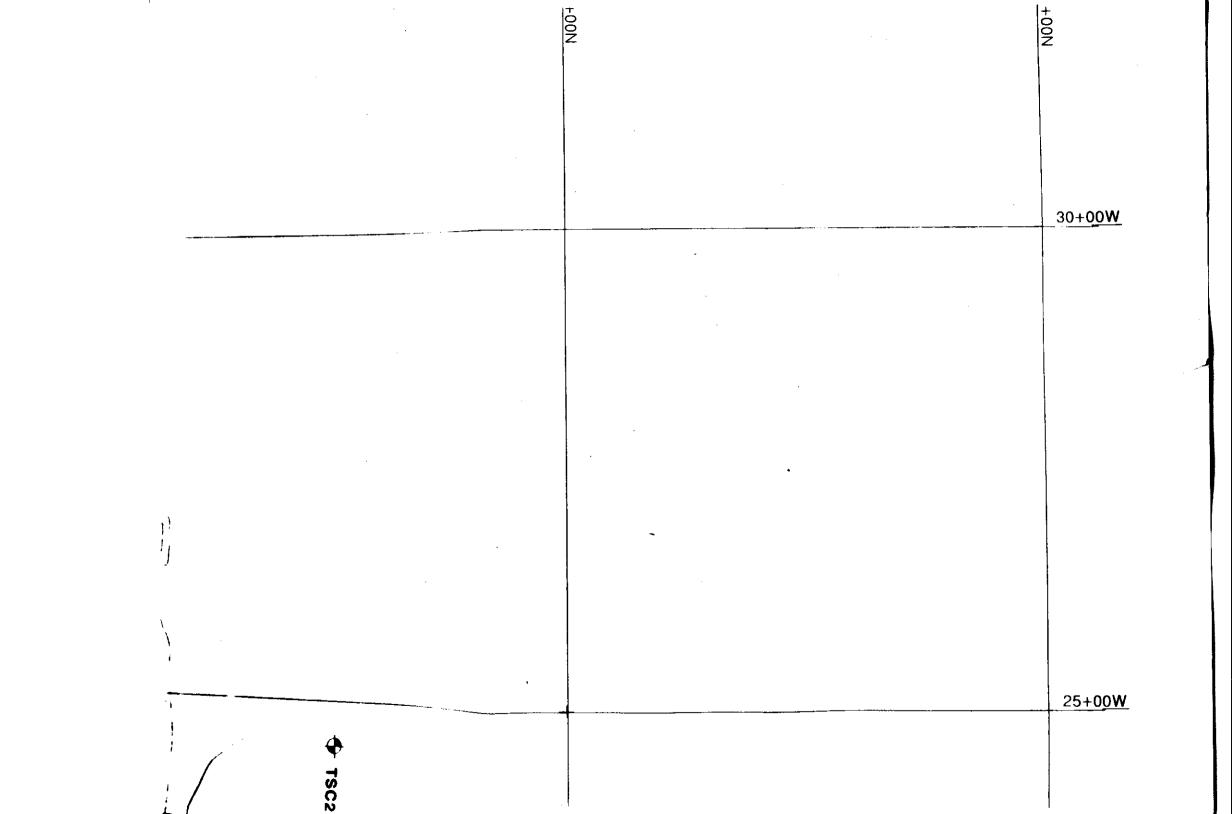




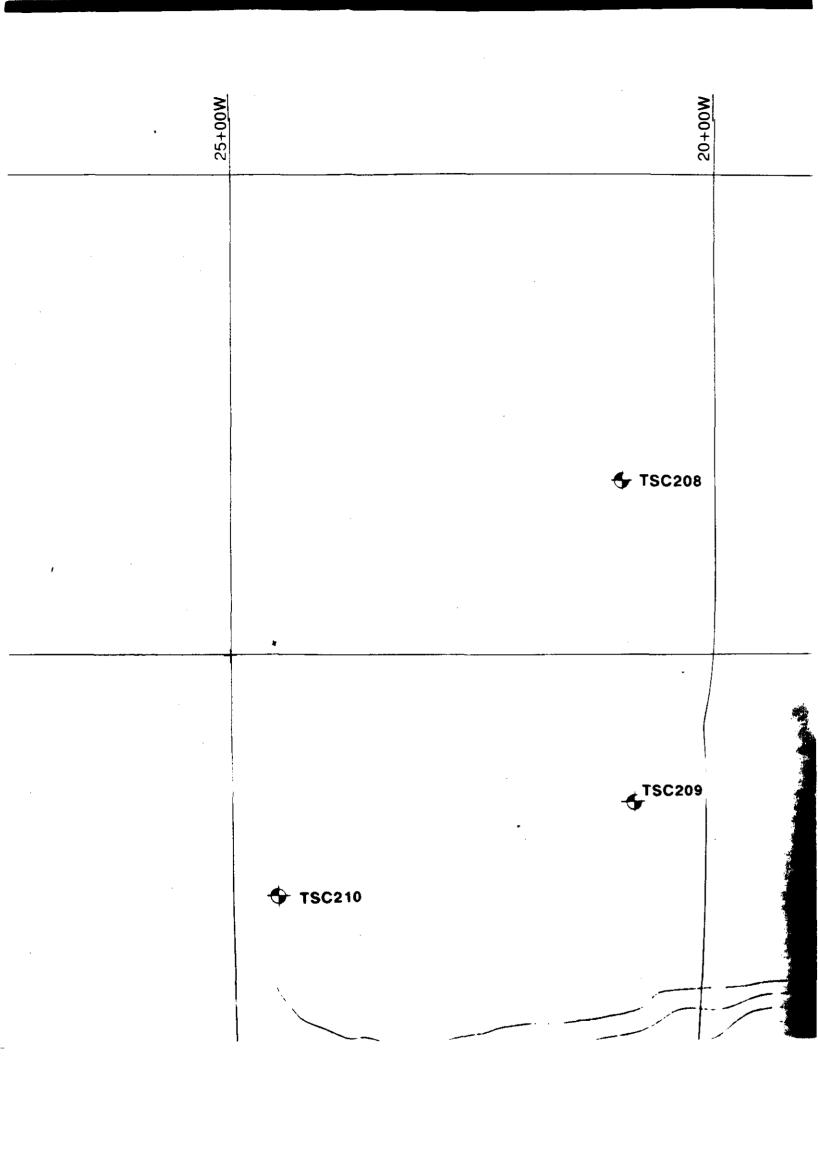


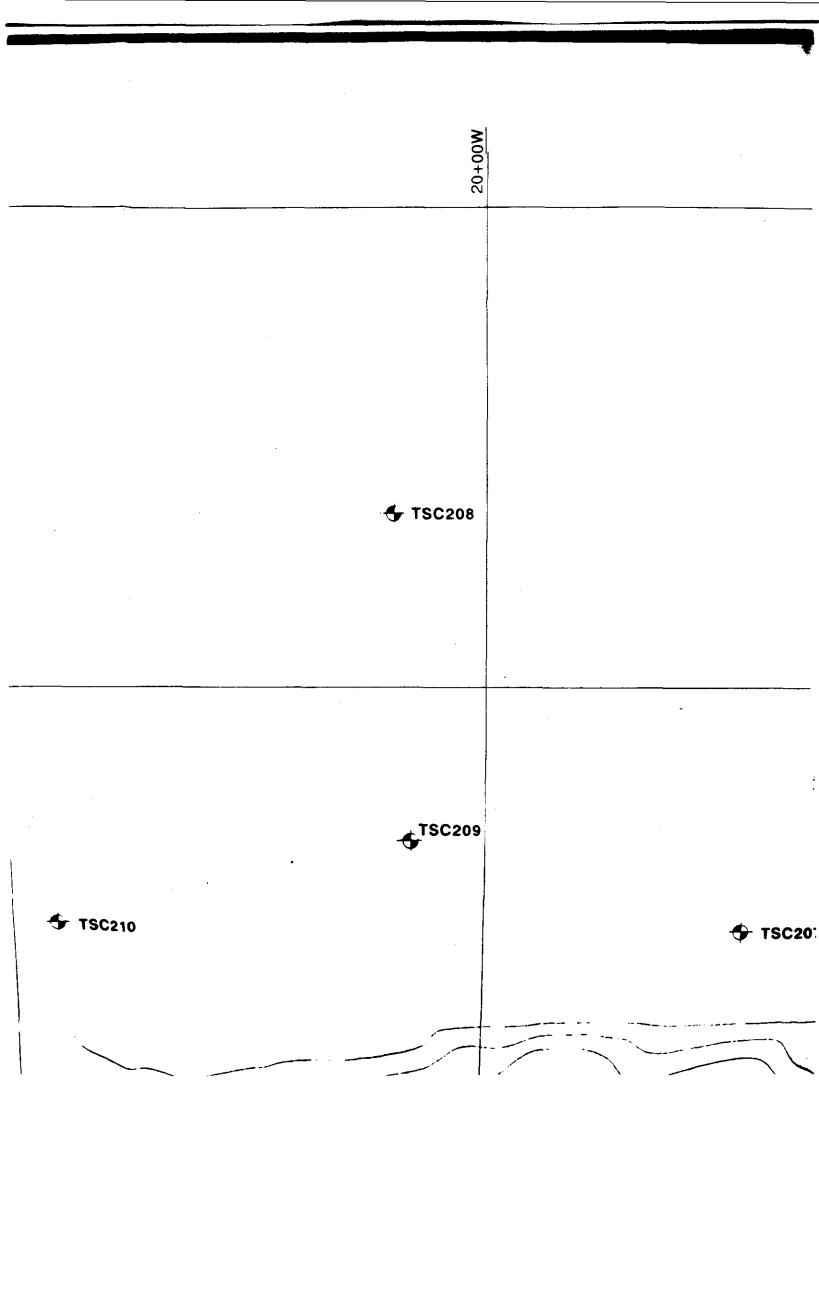


WARZYN	Designed By:	Drawn By: JC	Checked By:
WARZYN ENGINEERING INC.	Approved By:		Date:
			Reference:
	© 1988 • Warzyn Engineerin	g Inc. • All Rights Reserved.	

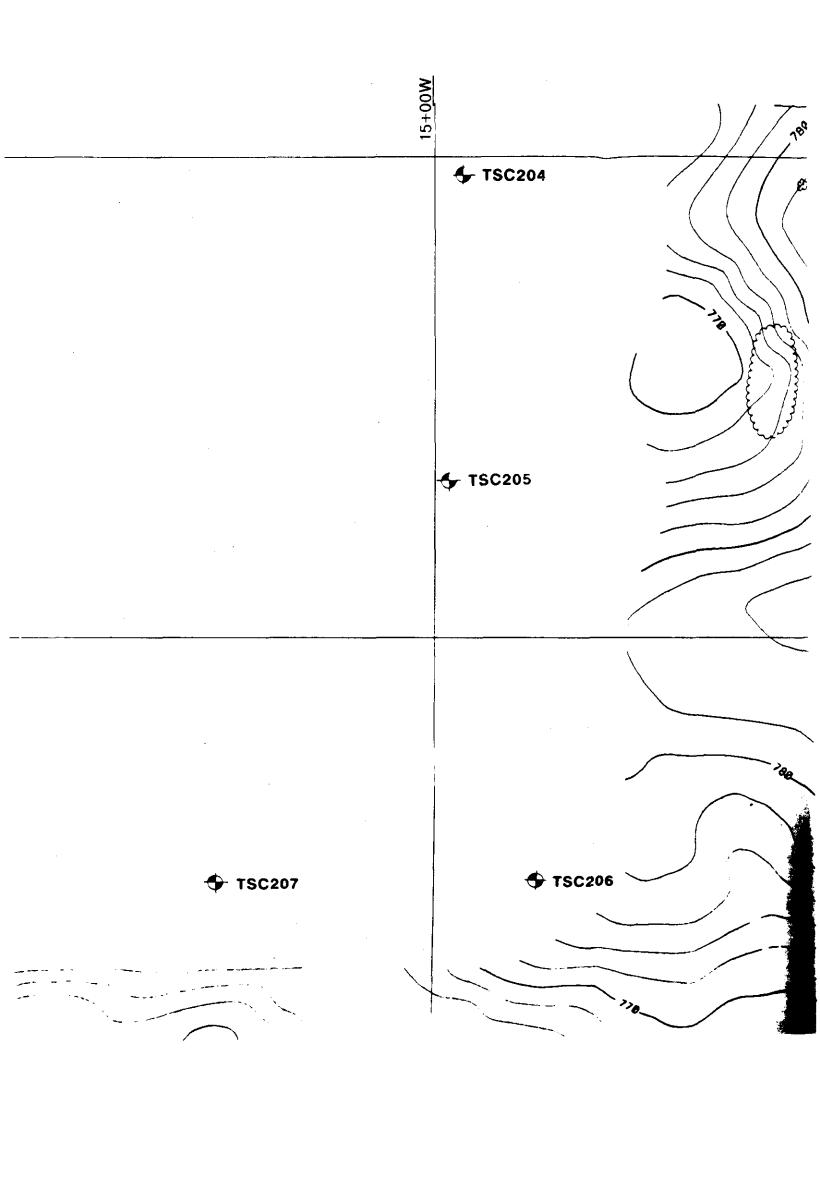


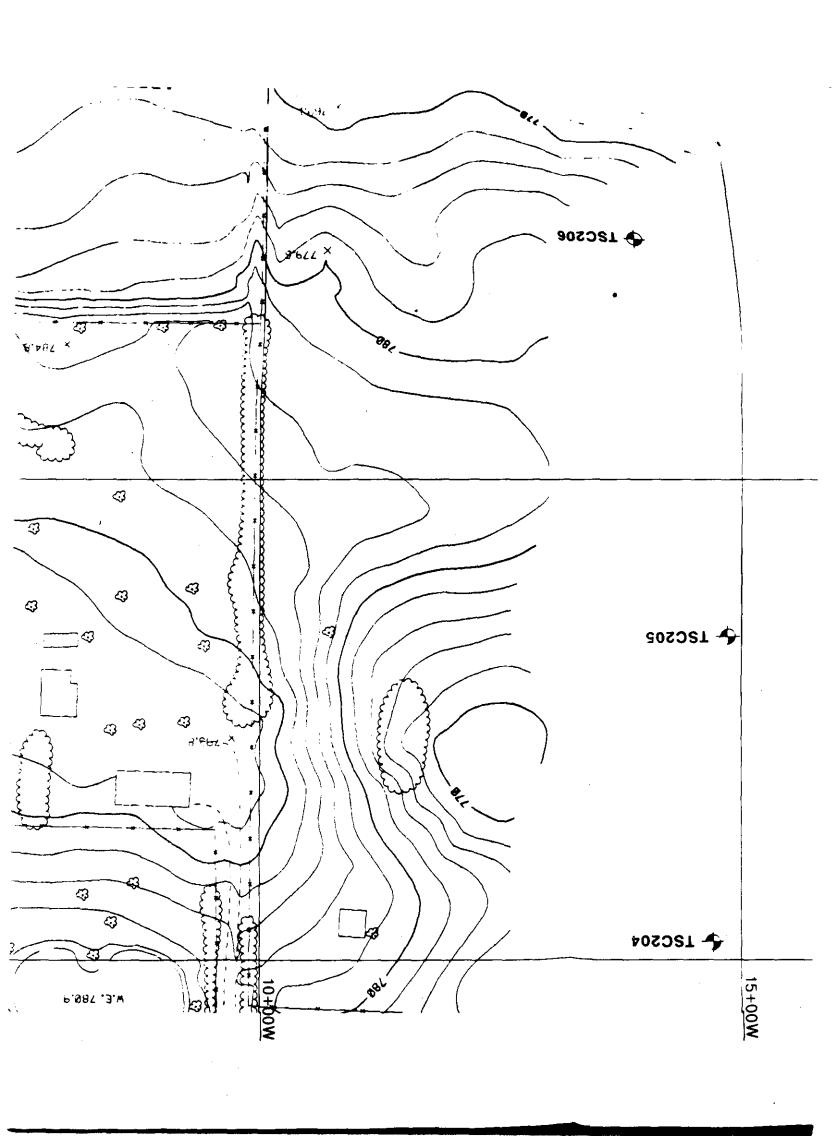
STSC21

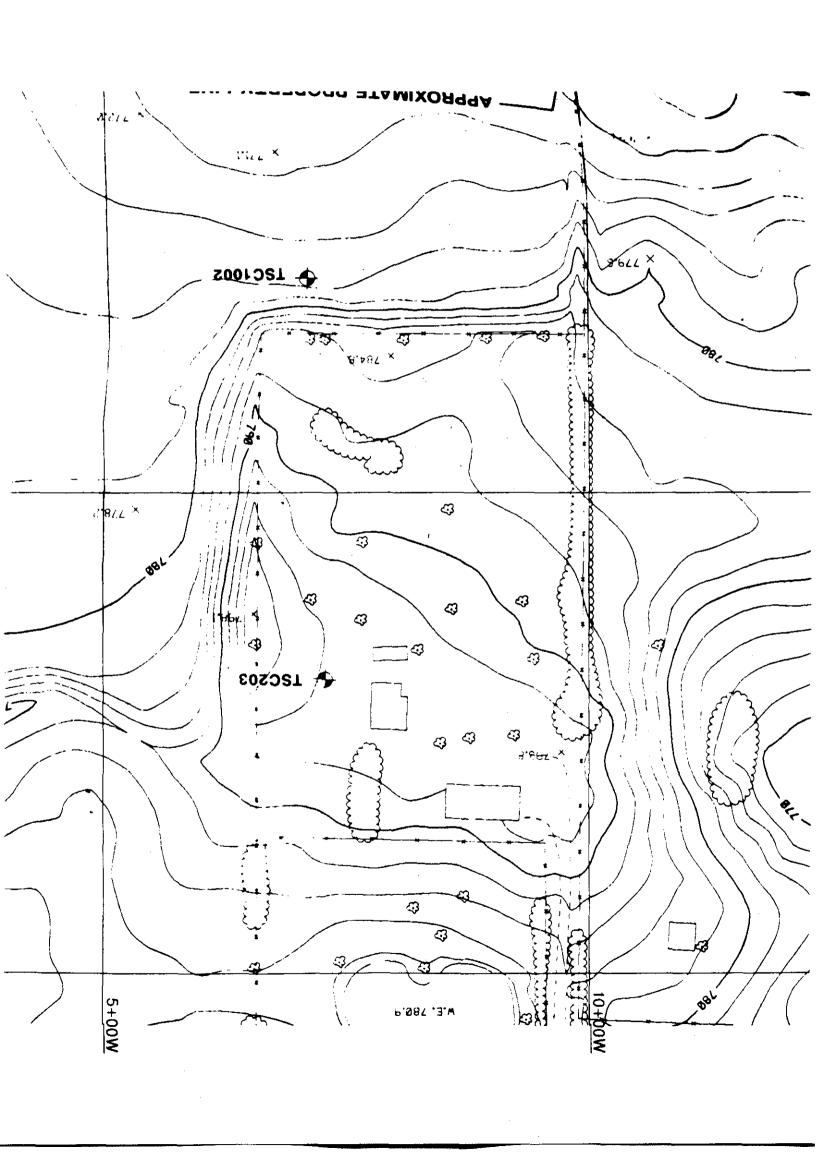


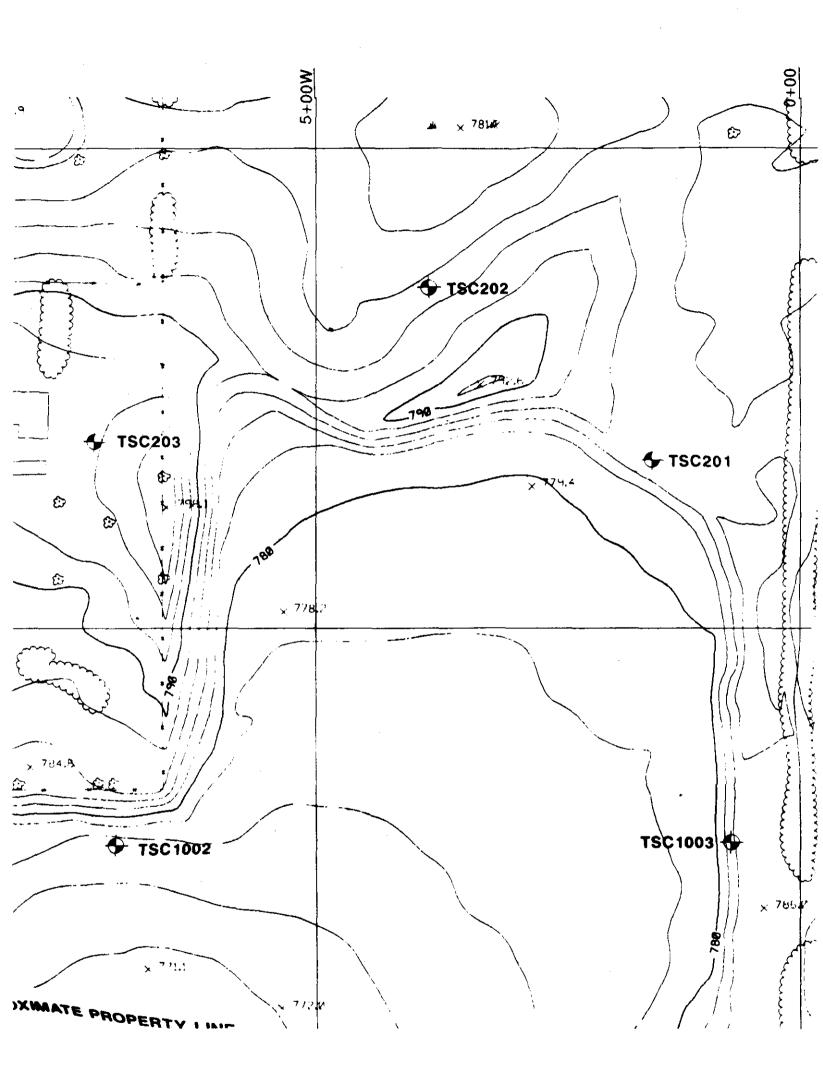


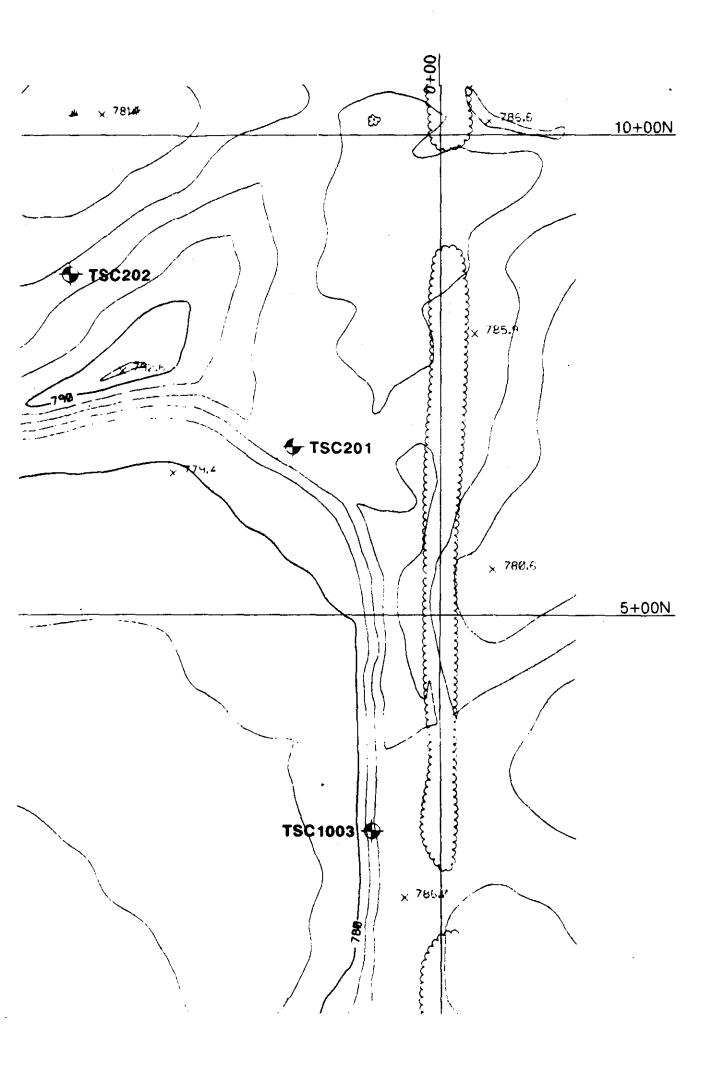
20+00 W	15+00 W	
		♦ TSC204
∜ TSC208		∜ TSC205
TSC209		
	♦ TSC207	Ф т

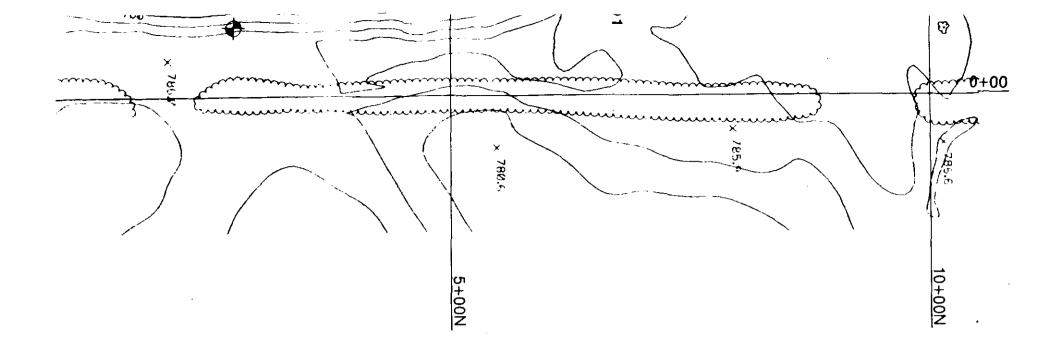




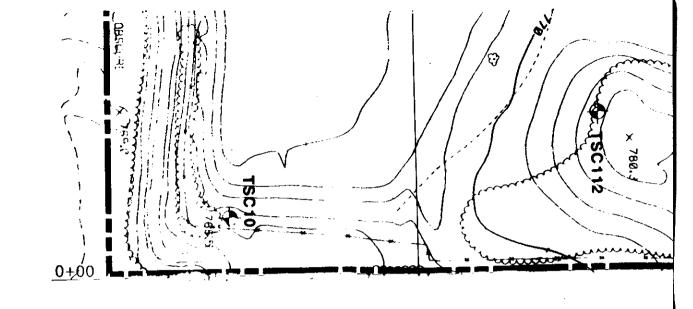


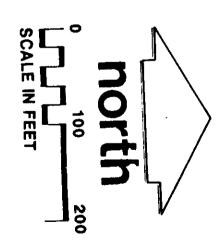




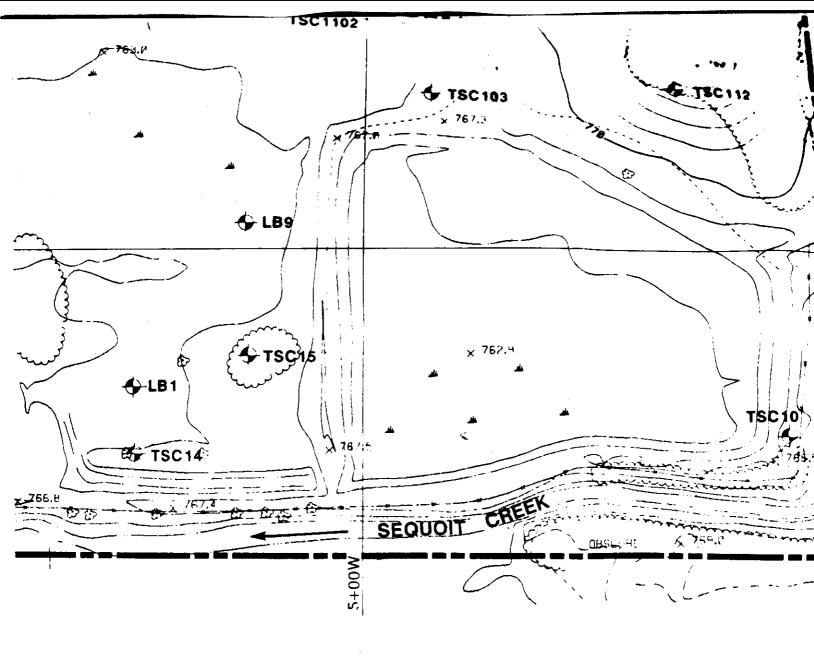


WARZYN	Designed By:	Drawn By: JC	Checked By:
WARZYN ENGINEERING INC.	Approved By:		Date:
			Reference:
			
	@ 1988 • Warzyn Engineerin	g Inc. • All Rights Reserved.	





SOIL BORING LOCATION MAP

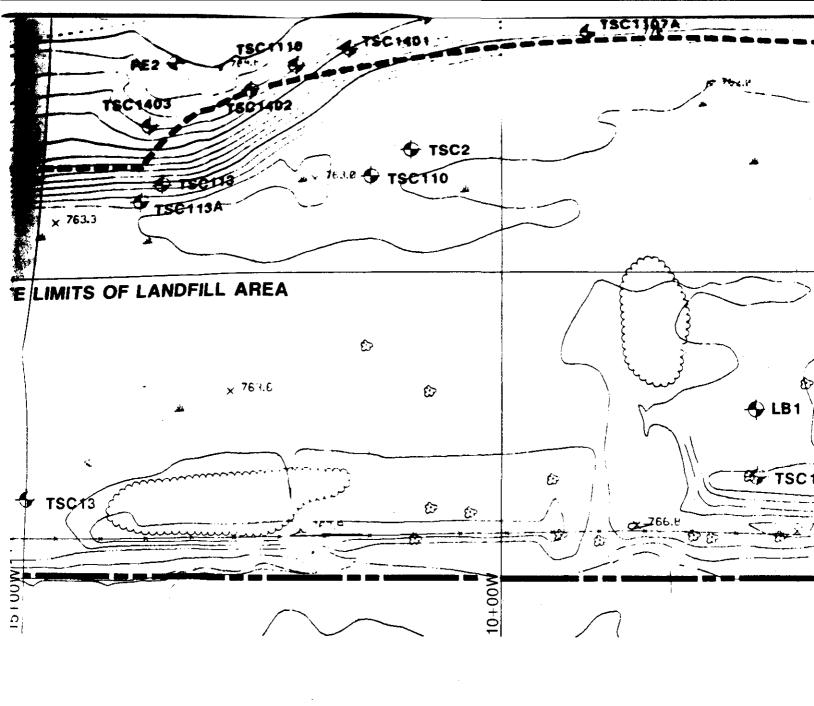


♦ LB2



LB2A

LB2

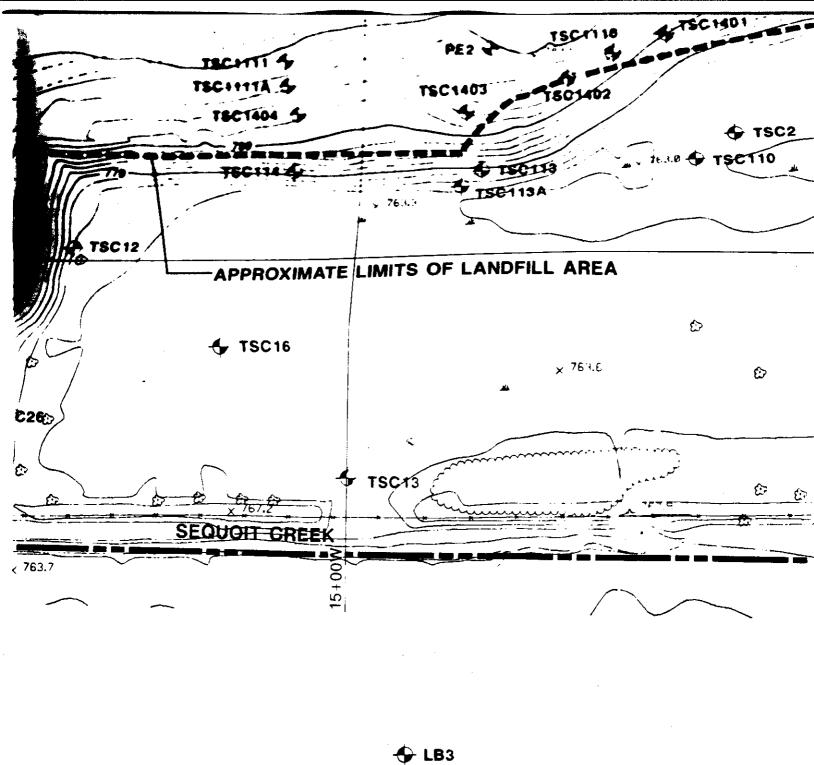


🕁 LB2

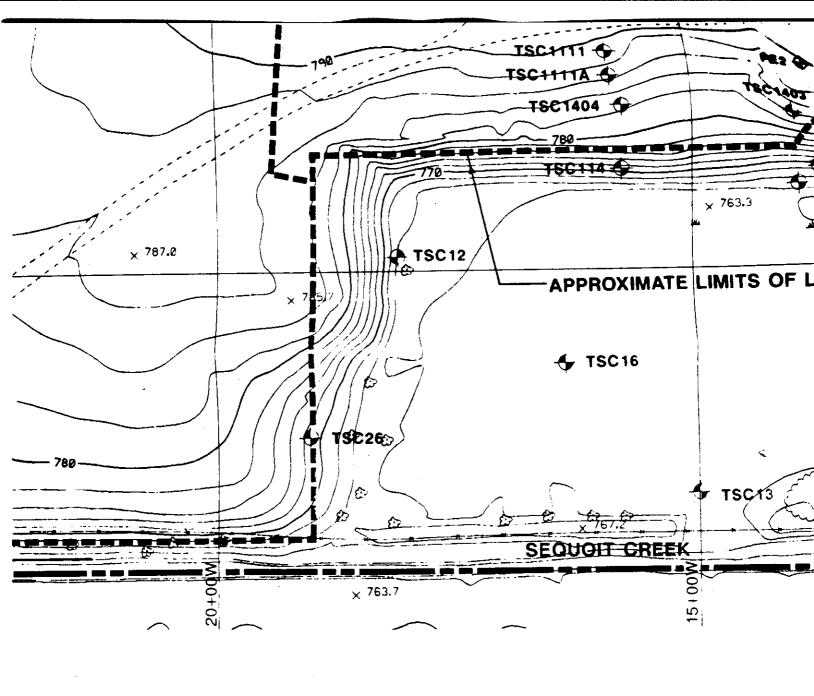
🔷 LB3

♦ LB3A

LB2A



♦ LB3A

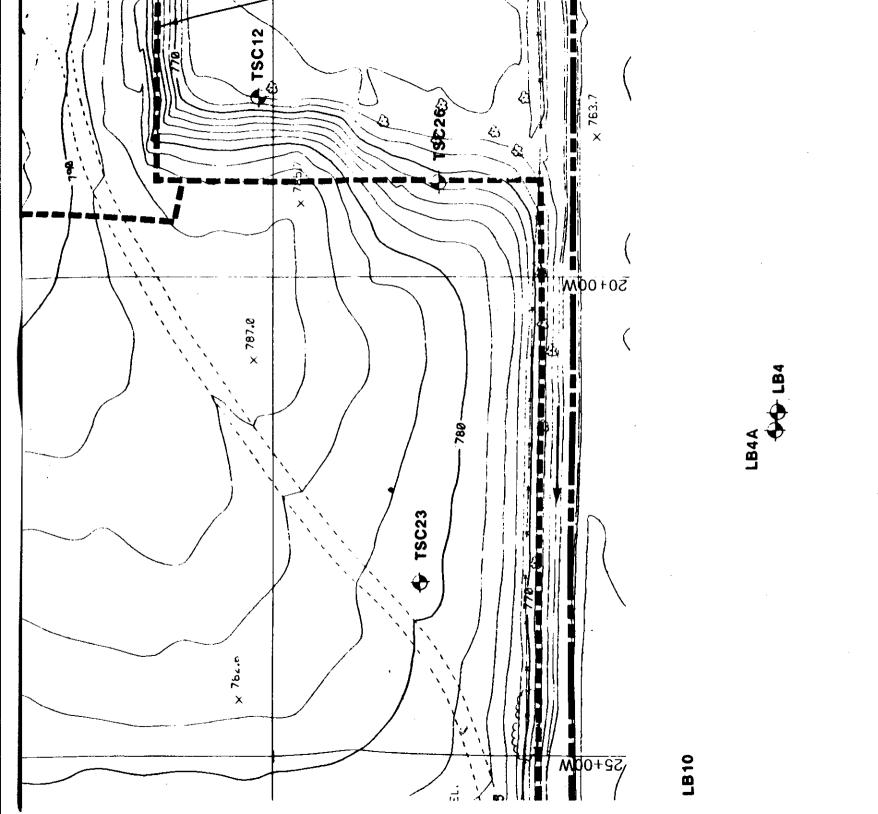


LB4A ♦♦♦ LB4

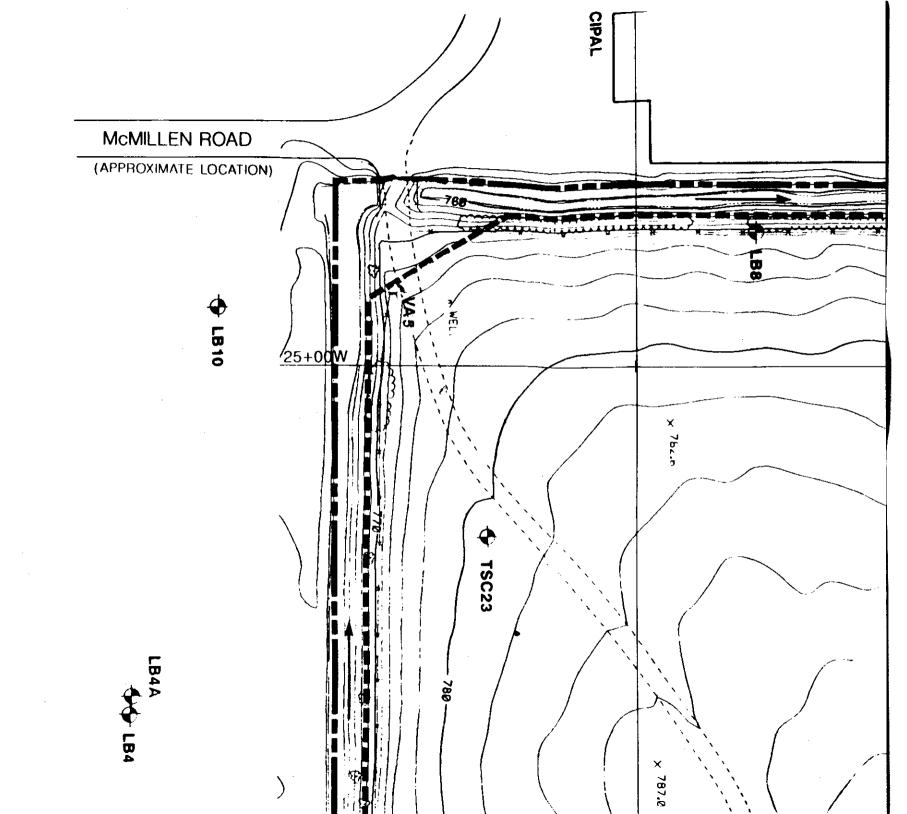
♦ LB3

♦ LB3

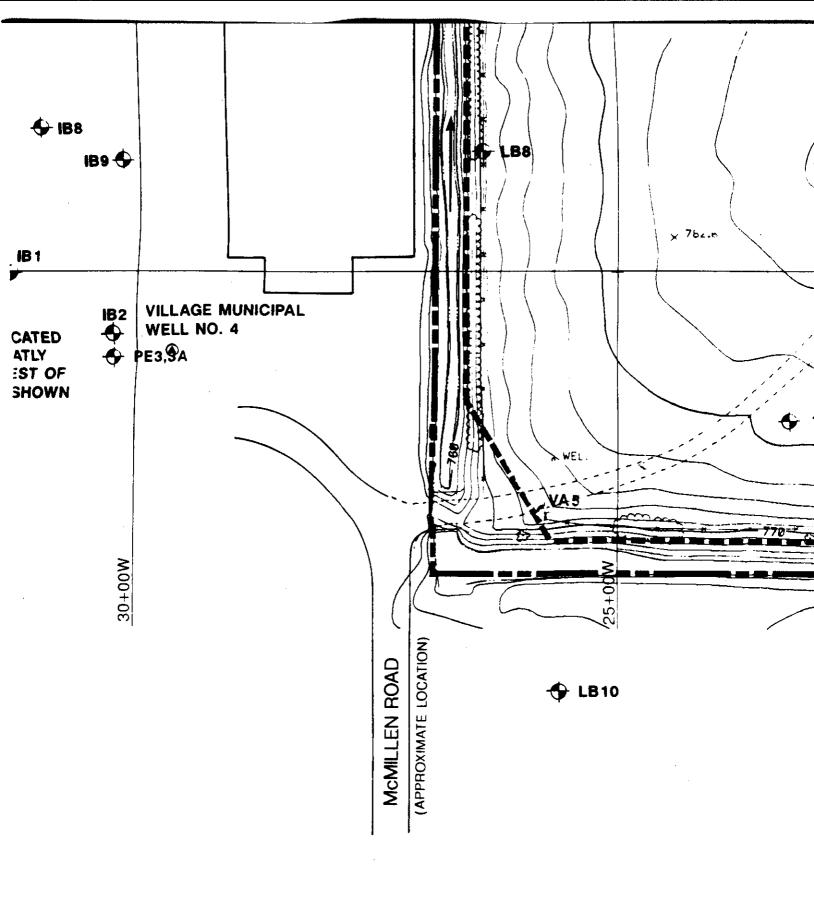
♦ LB5

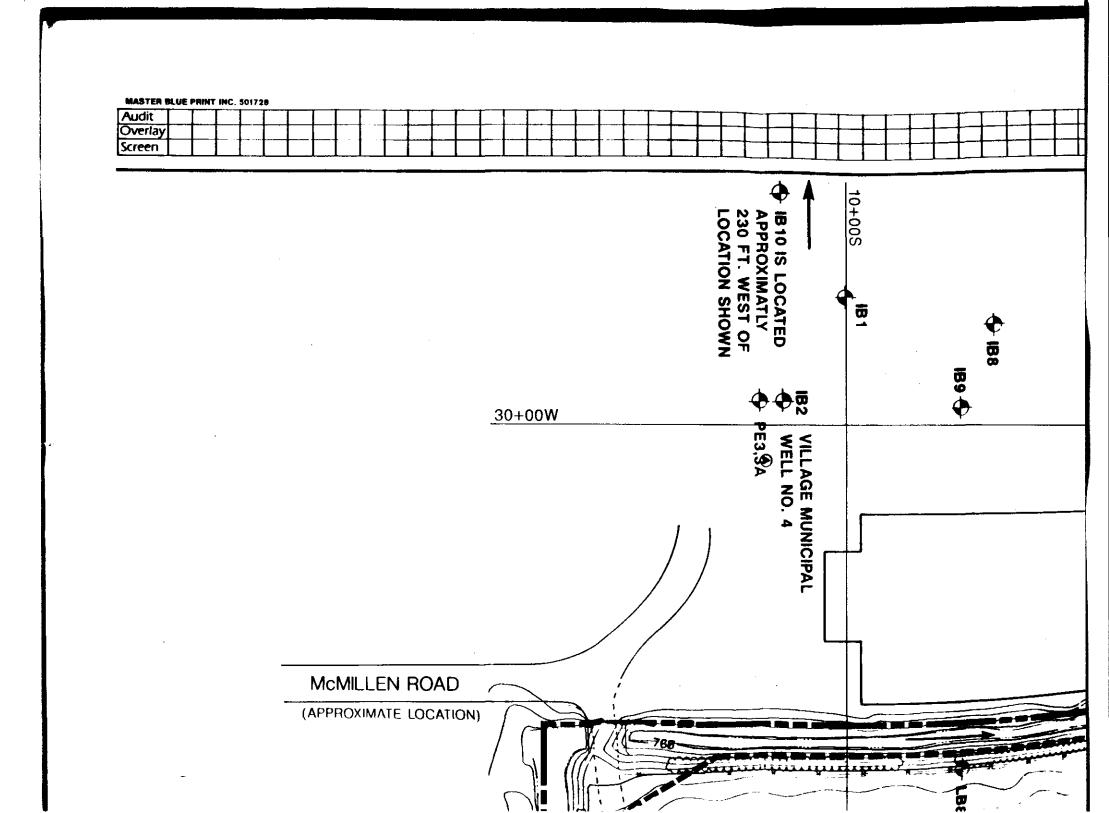


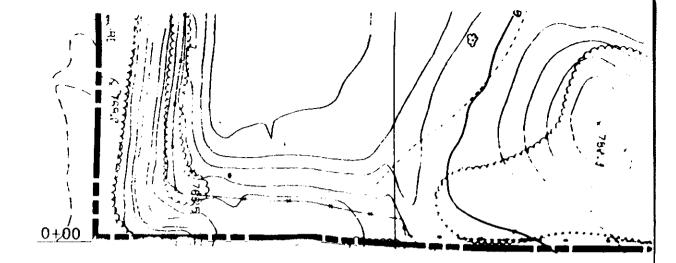
♦ LB5

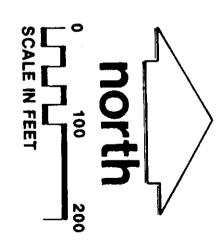


₹ LBC





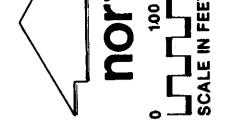


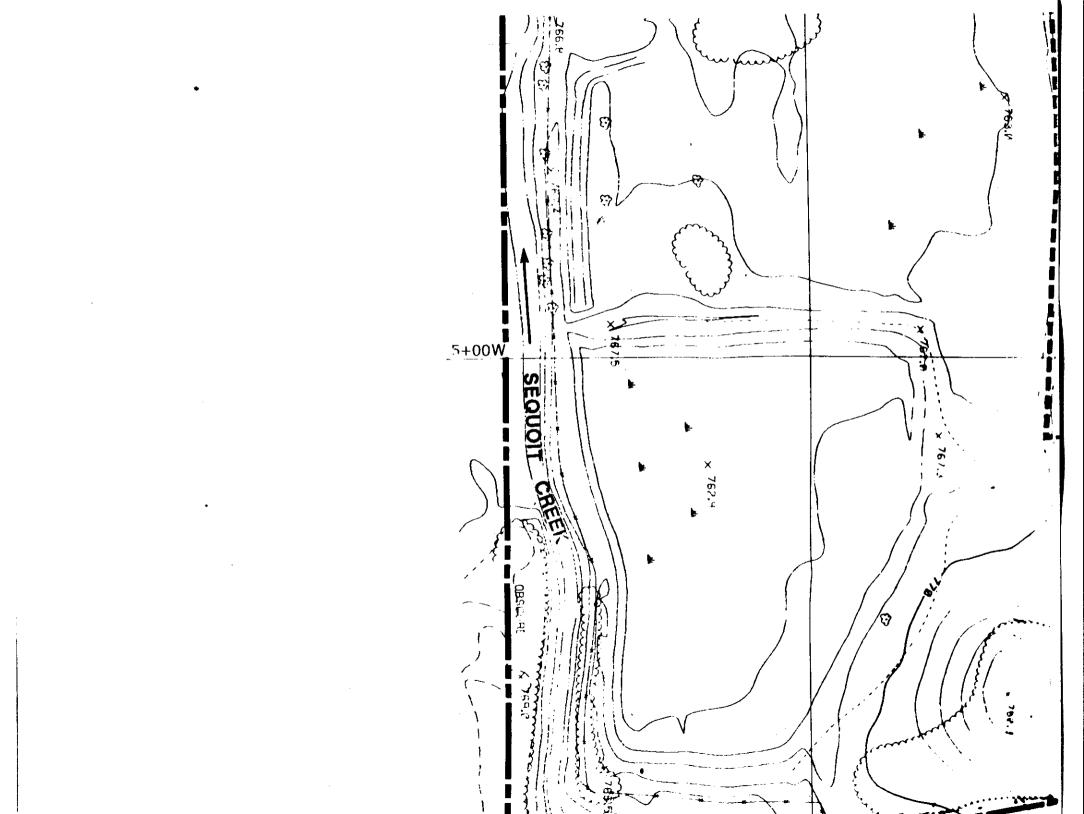


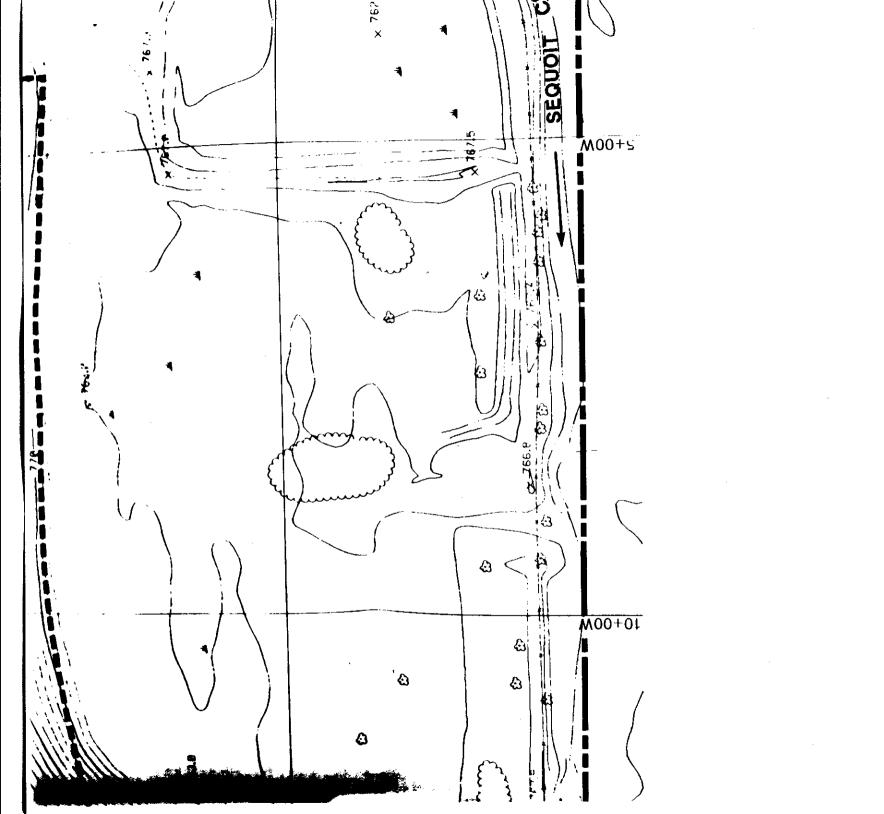
LEACHATE MONITORING/EXTRACTION AND LANDFILL GAS FLARE LOCATION MAP

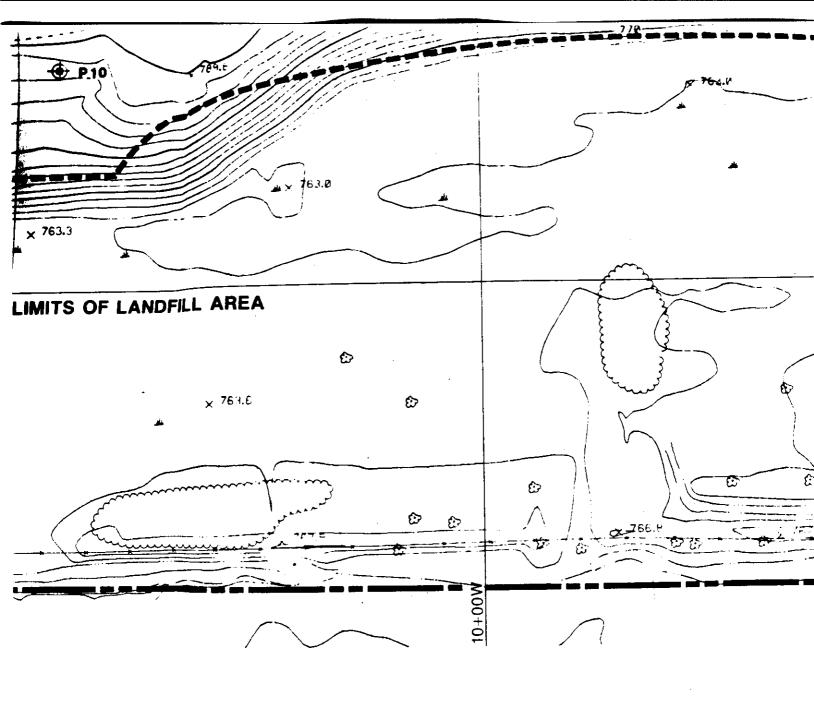
Q,

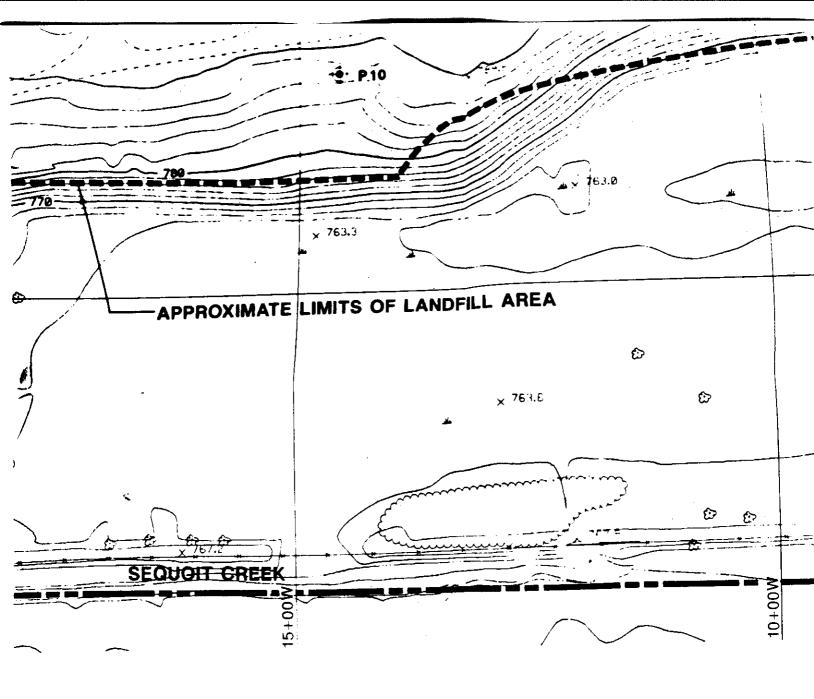
AND ASSOCIATES, INC.

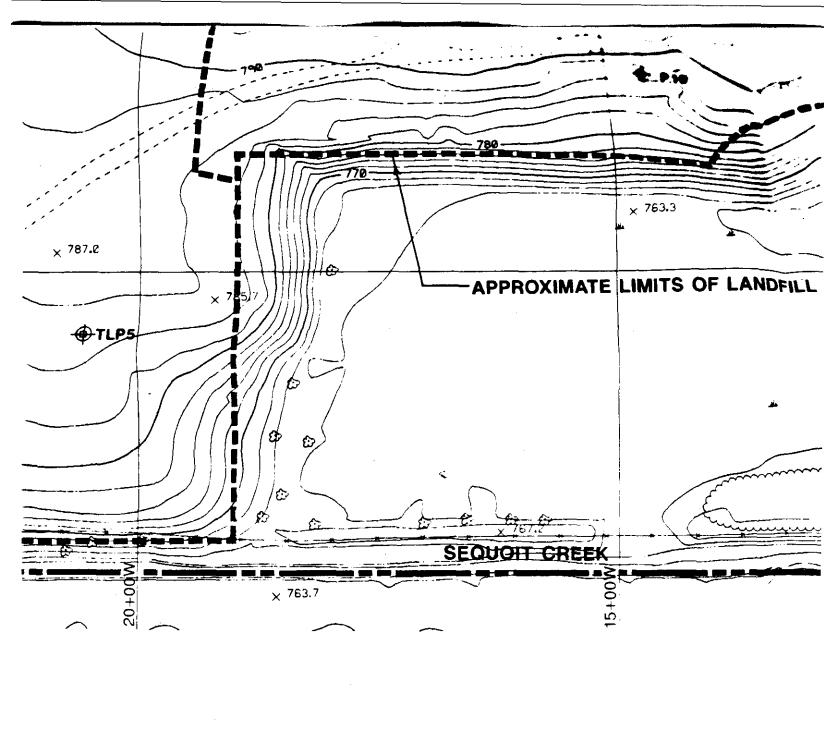


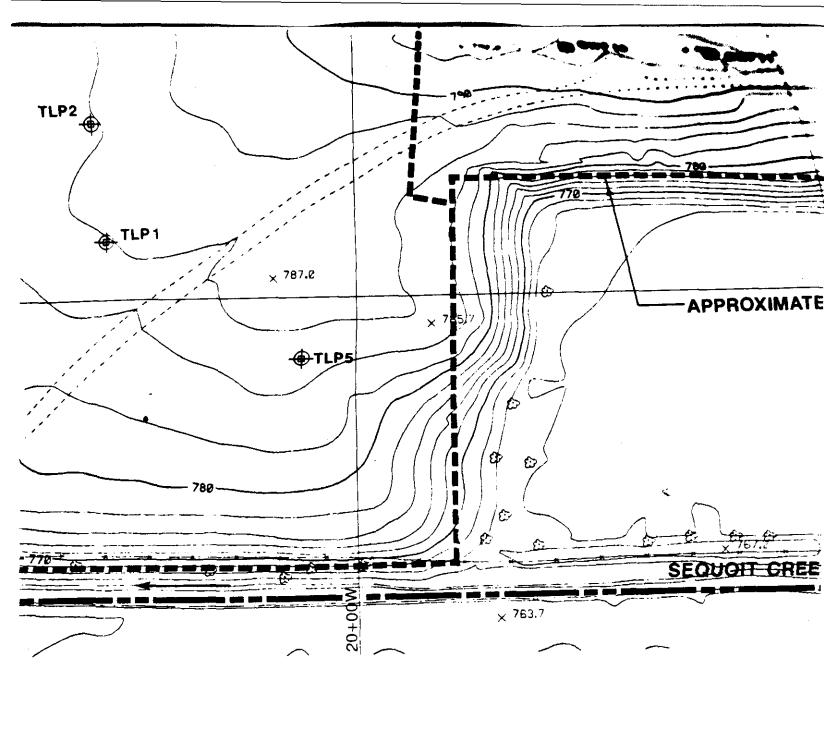


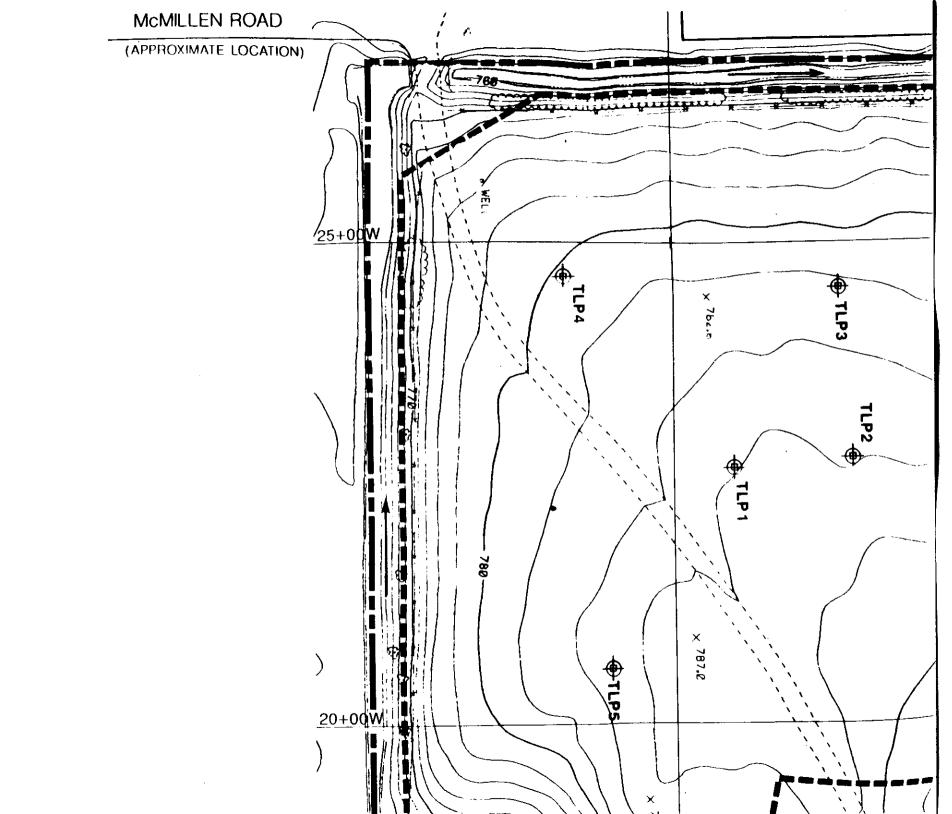


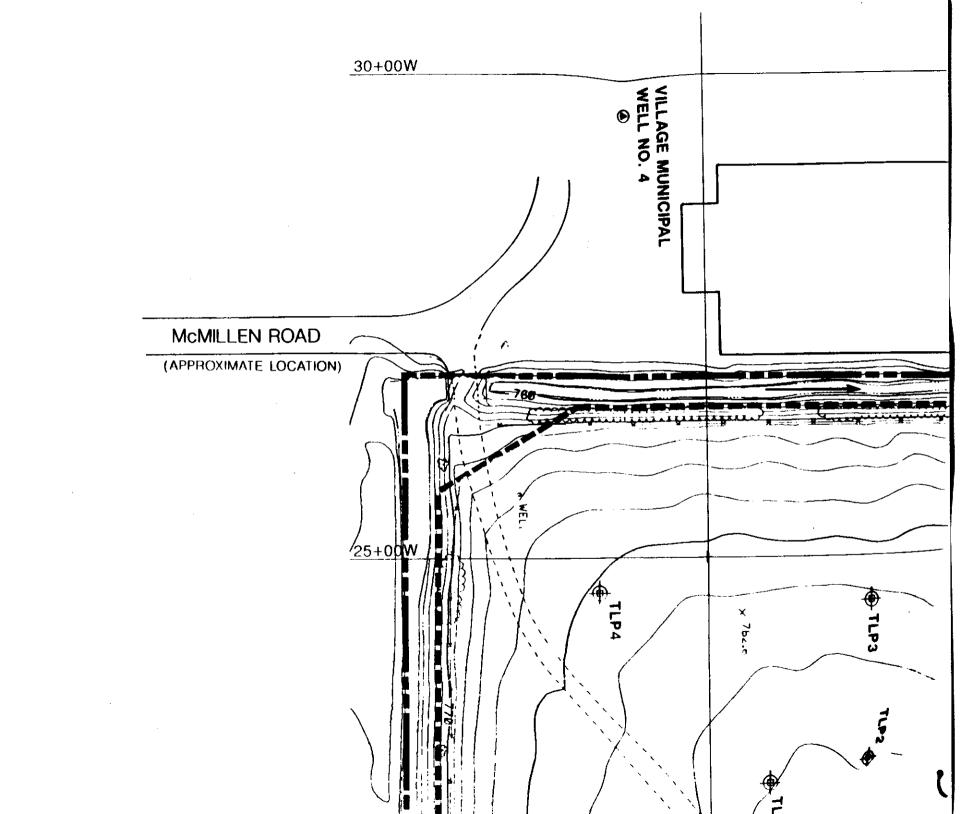


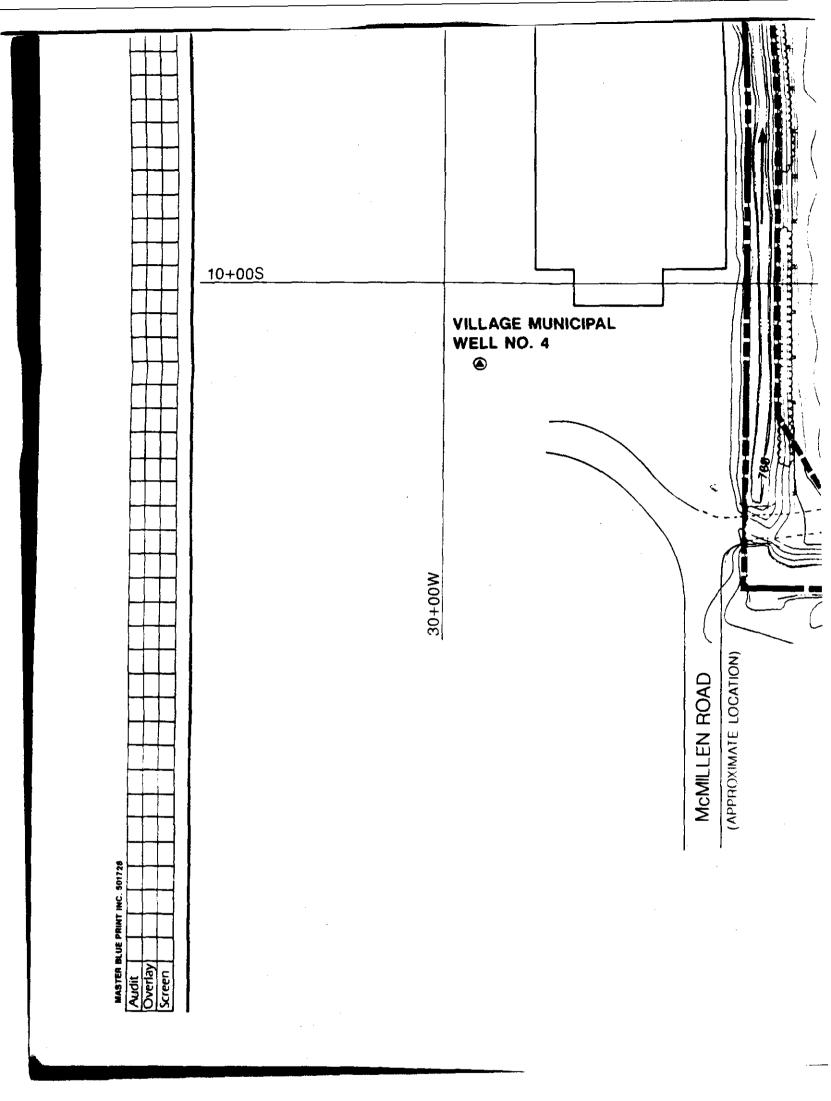












5+00N			10+00N
Õ			2
			30+00W
	•		
ļ.	•		
			25+0 <u>0W</u>

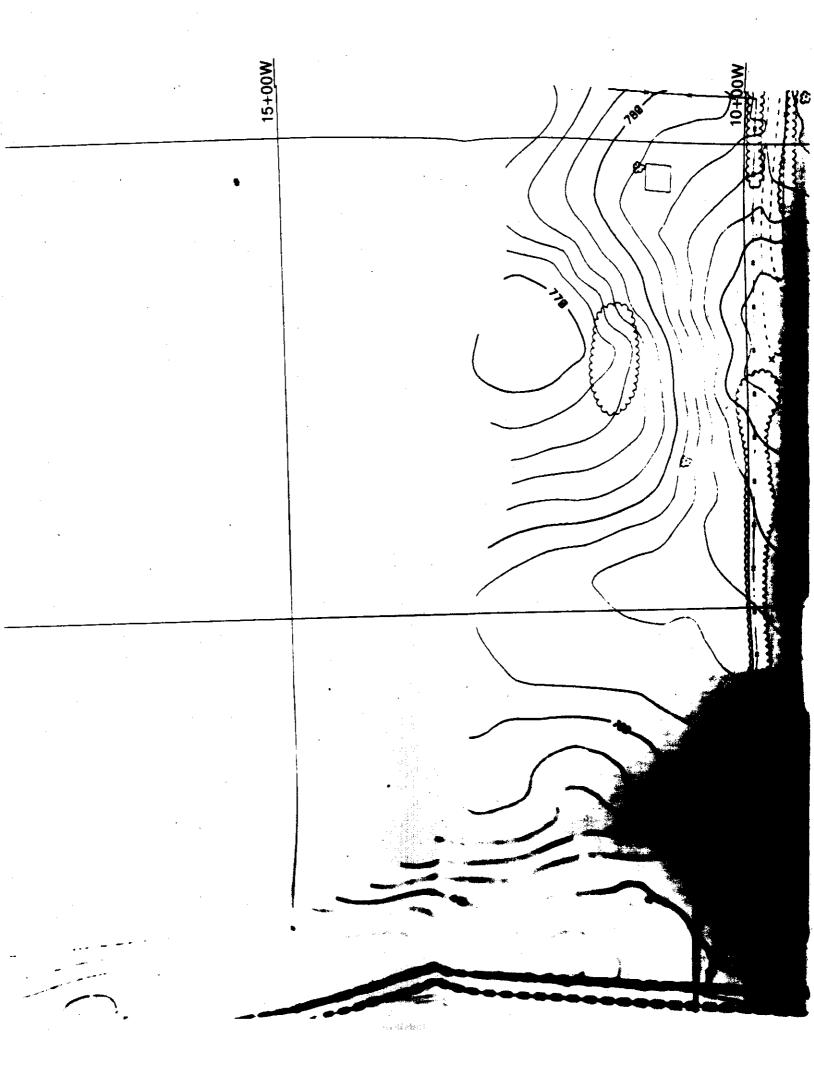
Commercial Control of the Control of

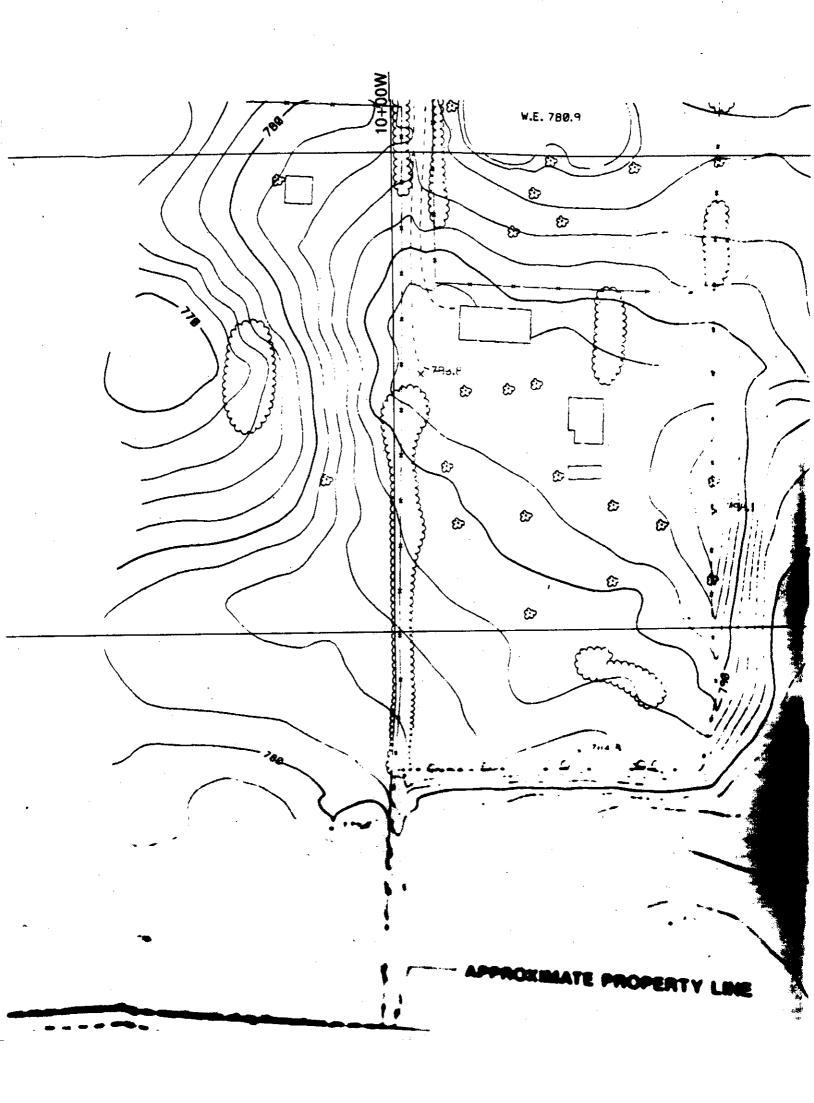
	30+00W
	25+00W

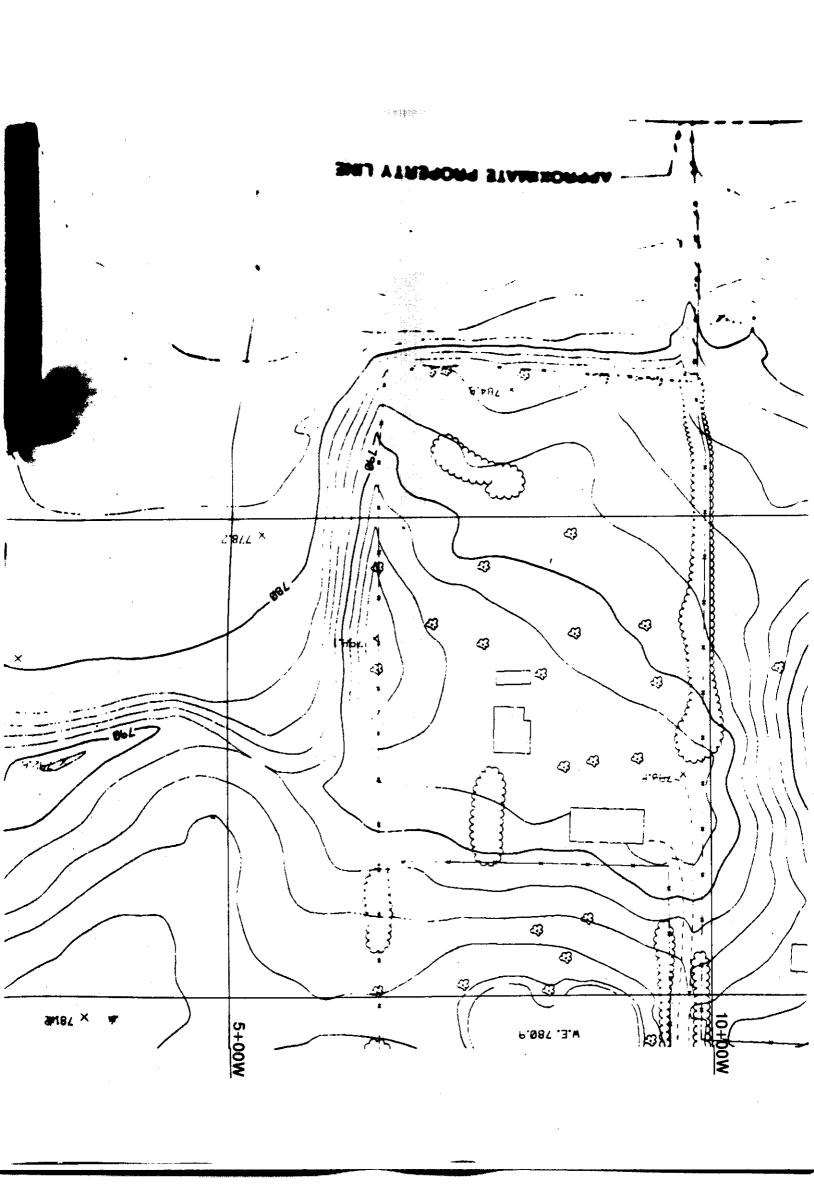
25+0<u>0W</u>

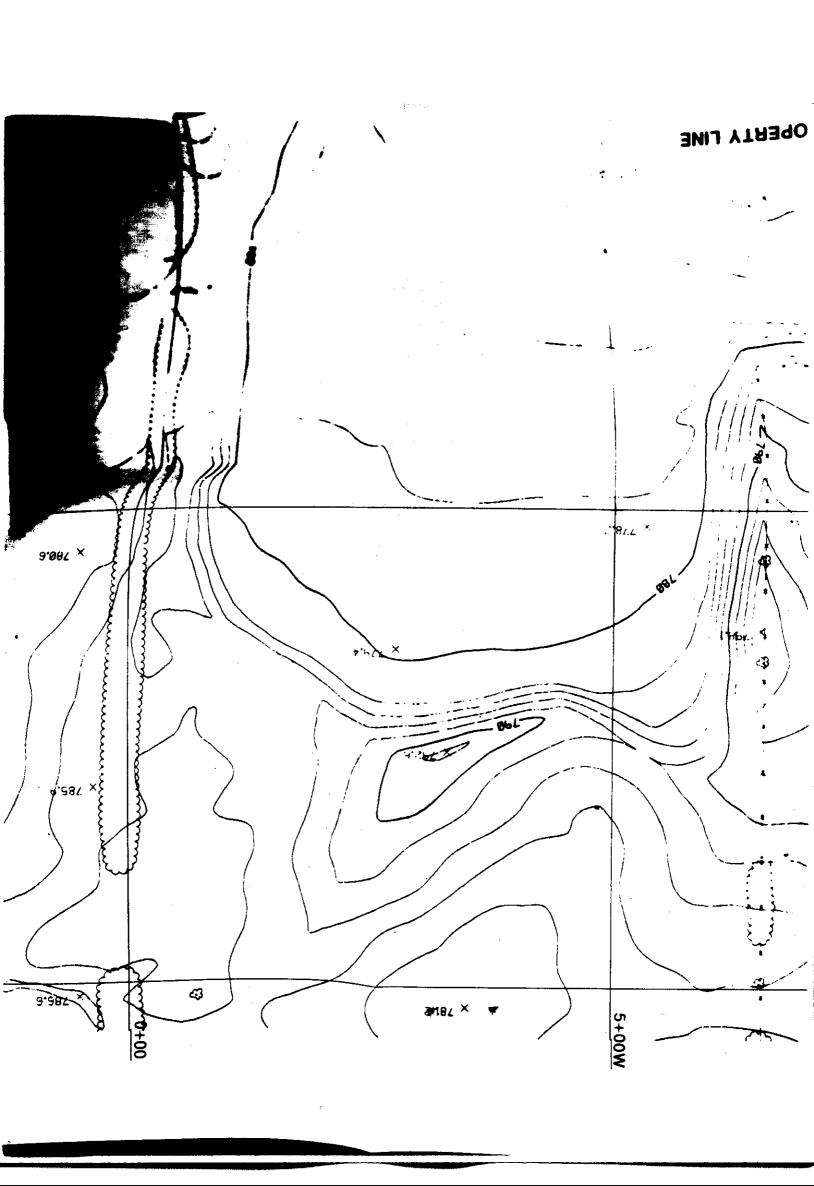
	25+0 <u>0W</u>
	2310011
·	
1	
	20+0 <u>0</u> W

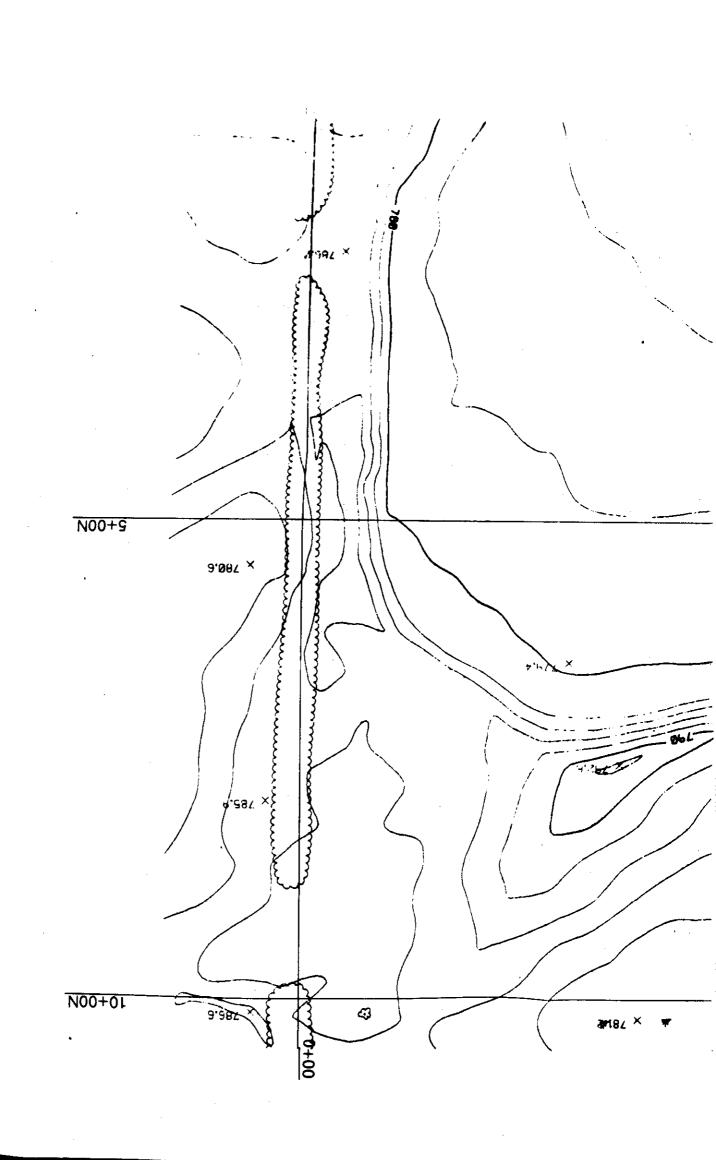
· · · · · · · · · · · · · · · · · · ·	20+00W
	15+0 <u>0W</u>







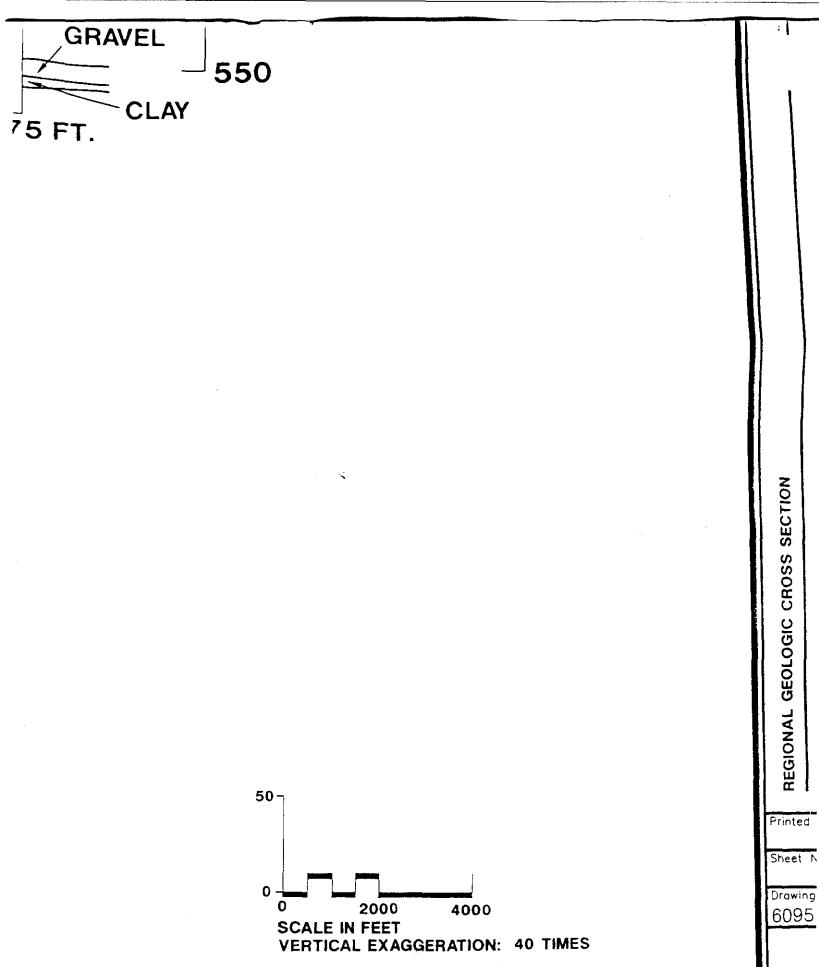


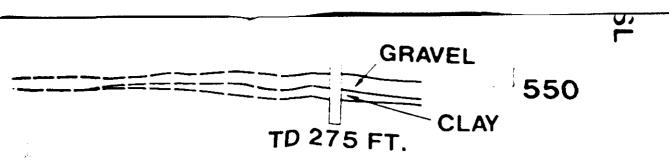


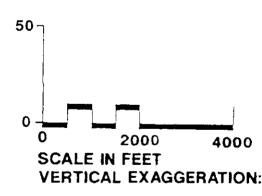
homm &	ammann Juneammin		morphism	0+00
		× 780.6	, is s	746.6 1
		5+00N		10+00N

d.	WARZYN	Designed By:	Drawn By: JC	Checked By:
	WARZYN ENGINEERING INC.	Approved By:		Date:
	•			Reference:
	•			
		© 1988 • Warzyn Engineerin	g Inc. • All Rights Reserved.	

.







GRAVEL

TD 275 FT.

N DEVELOPED OGIC CROSS AND ASSOCIATES,

SUPPLY WELL PPENDIX B OF

LE INFERRED.

OMITE

NOTES

- 1. THIS REGIONAL GEOLOGIC CROSS SECTION DEVELOPED FROM A DRAWING TITLED REGIONAL GEOLOGIC CROSS SECTION PREPARED BY P. E. LAMOREAUX AND ASSOCIATES, INC. ON JUNE 7, 1990.
- 2. LITHOLOGY IS BASED ON PRIVATE WATER SUPPLY WELL CONSTRUCTION REPORTS CONTAINED IN APPENDIX B OF PRELIMINARY SITE EVALUATION REPORT.
- 3. LITHOLOGIC CONTACTS ARE DASHED WHERE INFERRED.

TD 232 FT.

RACINE DOLOMITE

END

512 WELL LOCATION AND NUMBER

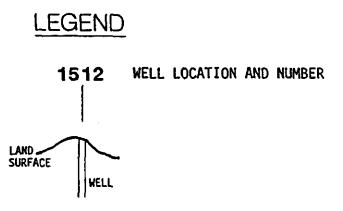
Meil

NOTES

- 1. THIS REGIONAL GEOLOGIC CROSS SECTION DEVELOPED FROM A DRAWING TITLED REGIONAL GEOLOGIC CROSS SECTION PREPARED BY P. E. LAMOREAUX AND ASSOCIATES, INC. ON JUNE 7, 1990.
- 2. LITHOLOGY IS BASED ON PRIVATE WATER SUPPLY WELL CONSTRUCTION REPORTS CONTAINED IN APPENDIX B OF PRELIMINARY SITE EVALUATION REPORT.
- 3. LITHOLOGIC CONTACTS ARE DASHED WHERE INFERRED.

RACINE DOLOMITE

WEDRON FOR



NOTES

- 1. THIS REGIONAL 6 FROM A DRAWING SECTION PREPARE INC. ON JUNE 7,
- 2. LITHOLOGY IS B/ CONSTRUCTION RI PRELIMINARY SI
- 3. LITHOLOGIC CON

WEDR

MITE

GRAVEL TD 232 FT.

RACII

LEGEND

1512 WELL LOCATION AND NU

SURFACE WELL

THE WORLDOOM WEEK

RED CLAY TILL

DOLOMITE

DOLOMITE

EL

550

Audit		<u> </u>	Ţ	T		\Box	Γ							I		Ţ.,					 [-7								1 1	7
Overlay		Ī		Γ_{-}	1								L	Ĺ_	 	<u> </u>	L		L			1	 	 			L	 _	1-1	
Screen								<u>.</u>	 	L	L	L	<u> </u>	<u> </u>	 L	L .	L	<u> </u>	L	 <u>L</u> l]	 	L	L	L			

E

550

REGIONAL GEO

REGIONA

GEOLOGIC CROSS SEC

EGIONAL GEOLOGIC CRO

GIC CROSS SECTION

SS SECTION

WARZ	ZYN
WARZYN ENGIN	EERING INC.

Designed By: ATS	Drawn By: PELA/LCL	Checked By: RJM
Approved By: Say 6.	Kachen	Dote: 10/24/90
Reference:		
File Poth:		
@ 1989 Warzyn Engineering Inc.	All Rights Reserved.	

0+00

COMPACTED CLAY WAS TO CONSIST OF AT FERIMETER SEAL WAS THE INTO COMPACTED CLAY. PERIMETER CLAY SEAL ALONG CLAY AND WAS EXTENDED INTO SEAL IN NEW LANDFILL WAS TO CONSIST OF AT LEAST 10 FEET OF NATURAL CLAY OR 6 FEET OF LEAST 10 FEET OF NATURAL CLAY WAS TO CONSIST OF A 12 FOOT WIDE COMPACTED CLAY WALL EXTENDING FROM THE BOTTOM CLAY STAL TO THE CLAY CAP. FOR FURTHER DETAILS REFER TO SECTION 3.3.2 OF TEXT.

north 200 SCALE IN FEET

Project Number 60953

F6

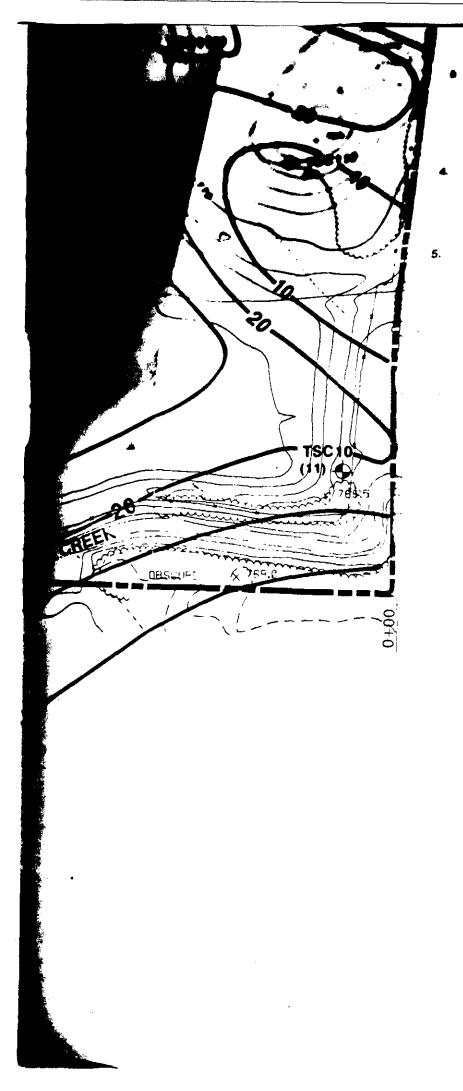
10

SURFICIAL SAND ISOPACH MAP

PRELIMINARY SITE EVALUATION REPORT

H.O.D. LANDFILL RI/FS

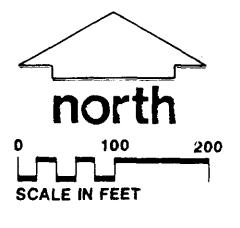
ANTIOCH, ILLINOIS



THE REPORT SURFICIAL SAND THICKNESS THE REPORT SURFICIAL SAND THIS AREA REPRESENTS PRE-DEVELOPMENT SOUND IN THIS AREA REPRESENTS PRE-DEVELOPMENT SOUND IN THIS AREA REPORT SURFICIAL SAND THIS AREA SURFICIAL SAND THI

THE WESTERN PORTION OF THE NEW LANDFILL
RECEIVED A FULL DEPTH PERIMETER CLAY SEAL ALONG
THE SOUTHERN BOUNDARY. THIS SEAL WAS TIED INTO
THE NATURAL UNDERLYING CLAY AND WAS EXTENDED
UPWARD AND TIED II., O THE CLAY CAP.

BOTTOM SEAL IN NEW LANDFILL WAS TO CONSIST OF AT LEAST 10 FEET OF NATURAL CLAY OR 6 FEET OF COMPACTED CLAY. PERIMETER SEAL WAS TO CONSIST OF A 12 FOOT WIDE COMPACTED CLAY WALL EXTENDING FROM THE BOTTOM CLAY STAL TO THE CLAY CAP. FOR FURTHER DETAILS REFER TO SECTION 3.3.2 OF TEXT.

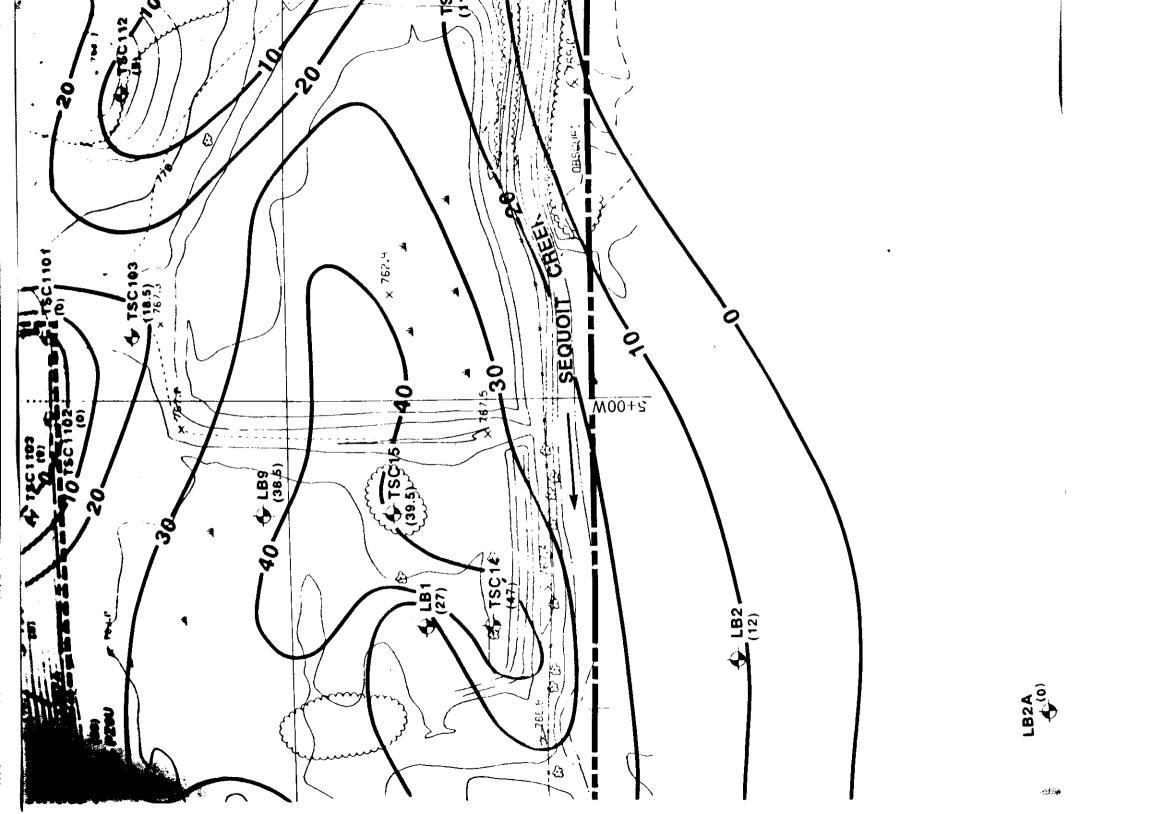


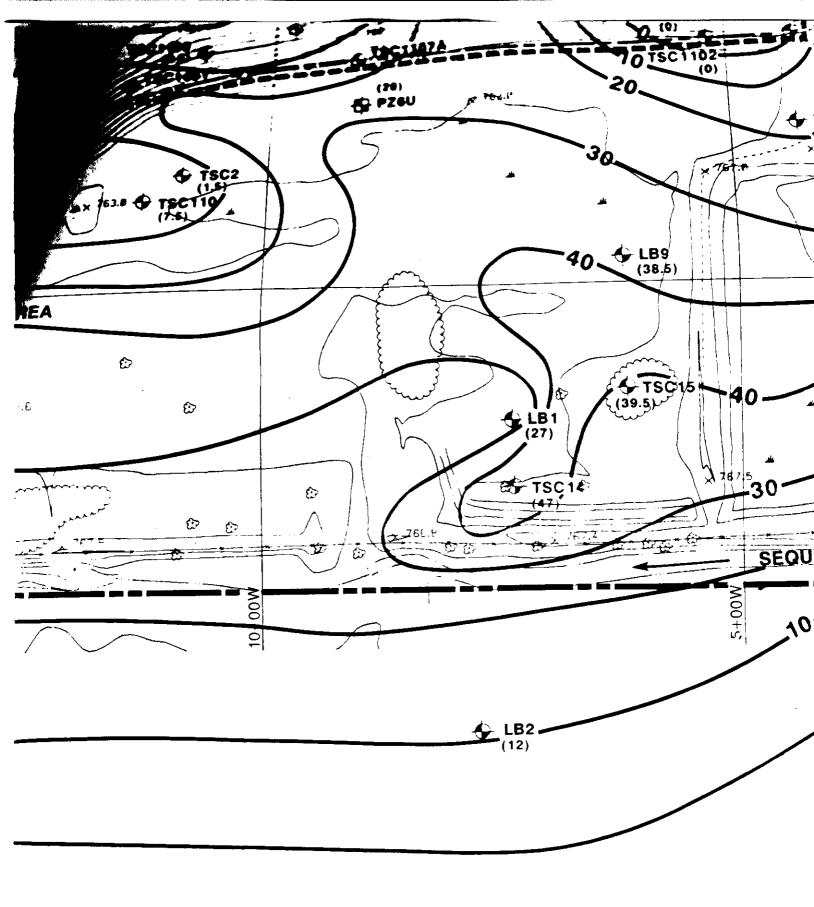


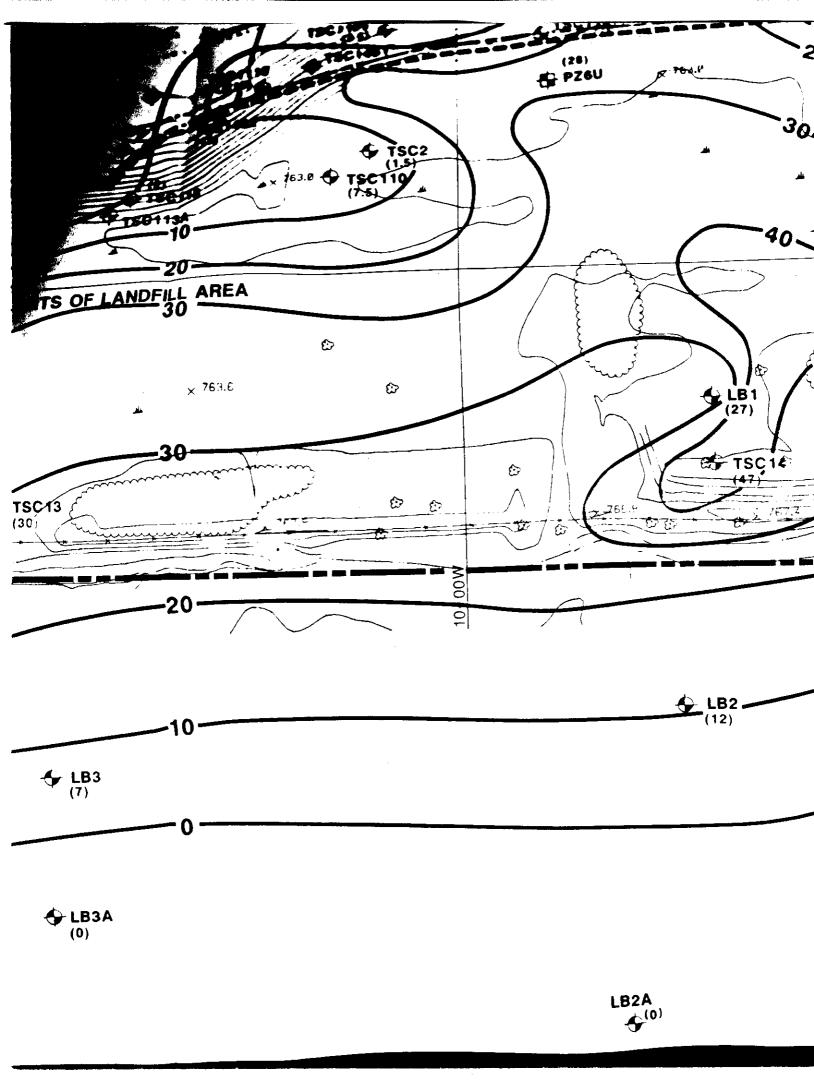
PLANFICIAL E THECRIMENS : THE NEW LA EXCAVATED PLACED T SHOWN IN CONDITION:

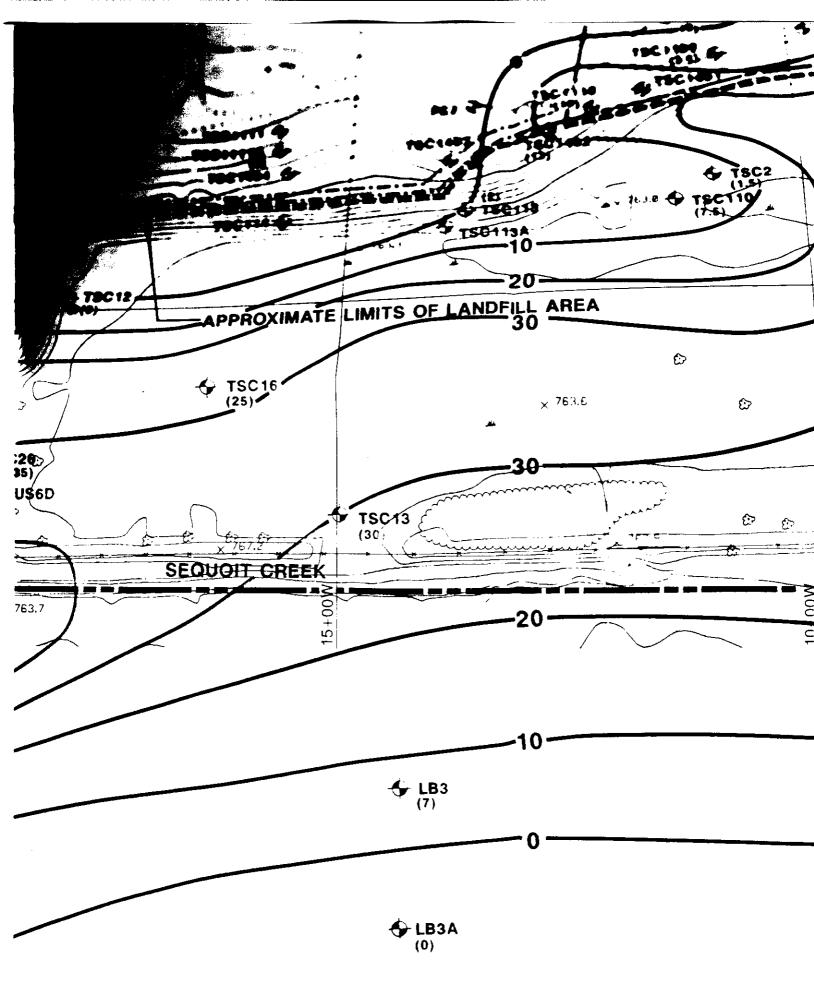
> THE WEST RECEIVED A THE SOUTH THE NATU UPWARD A

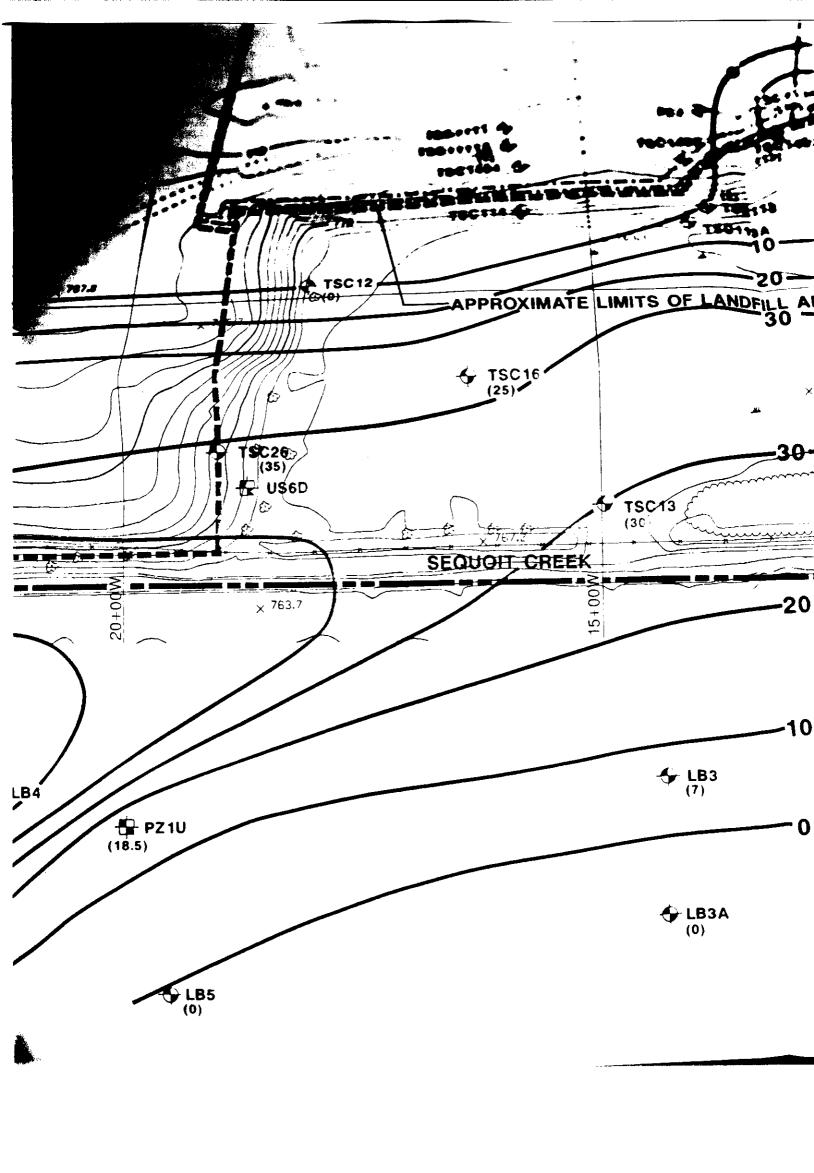
> > BOTTOM S LEAST 11 COMPACT OF A 12 F FROM TH FURTHER

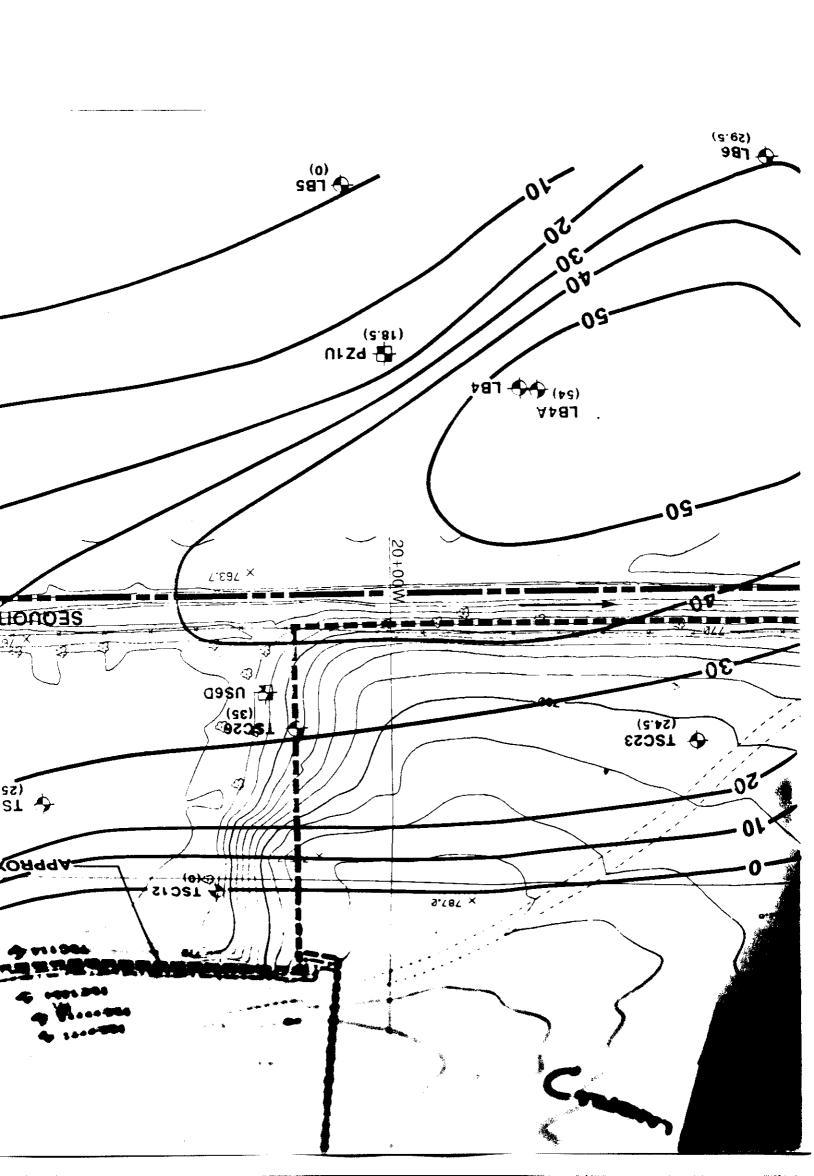


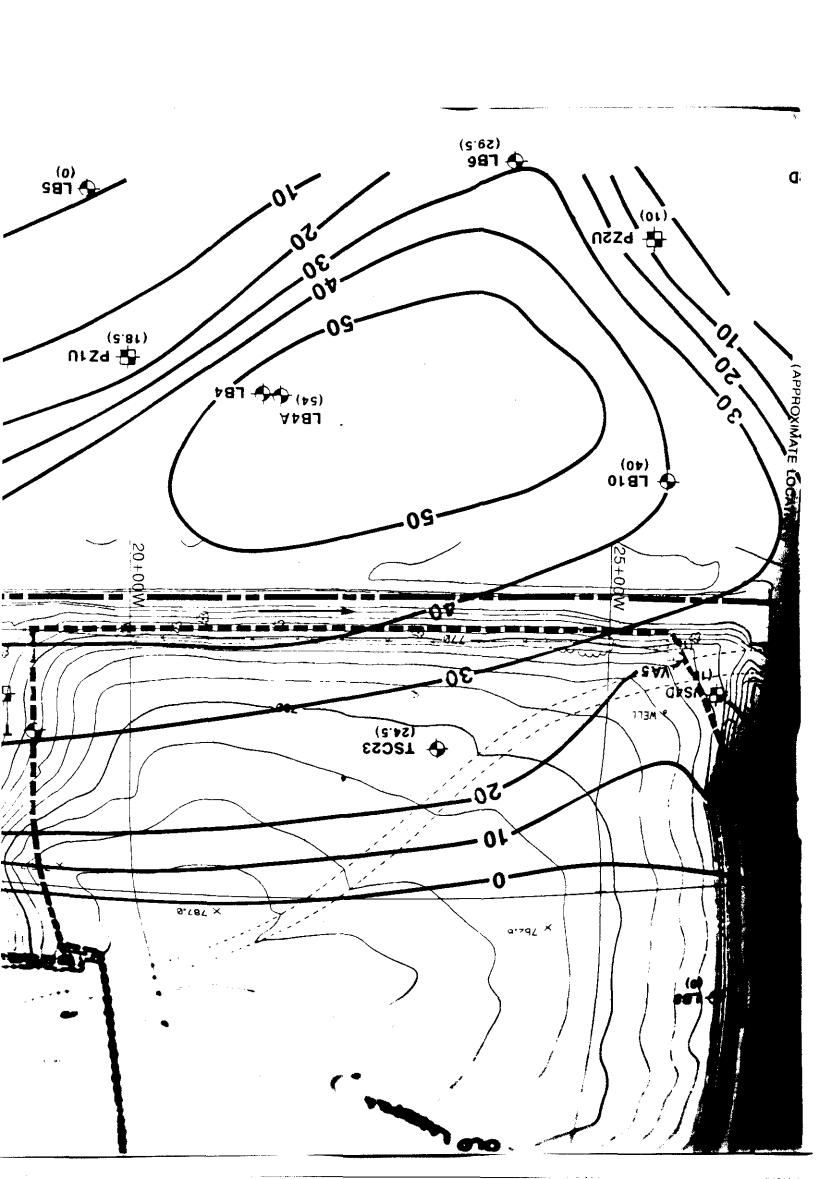


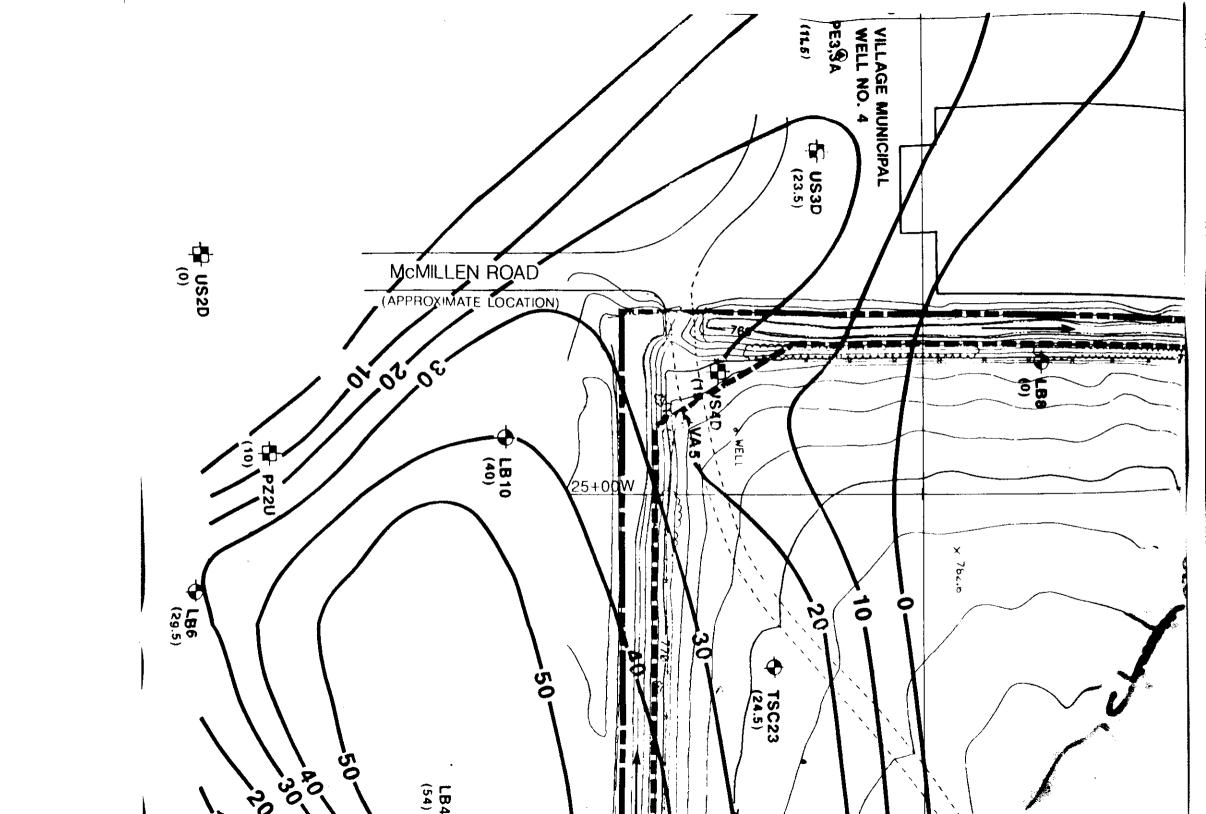


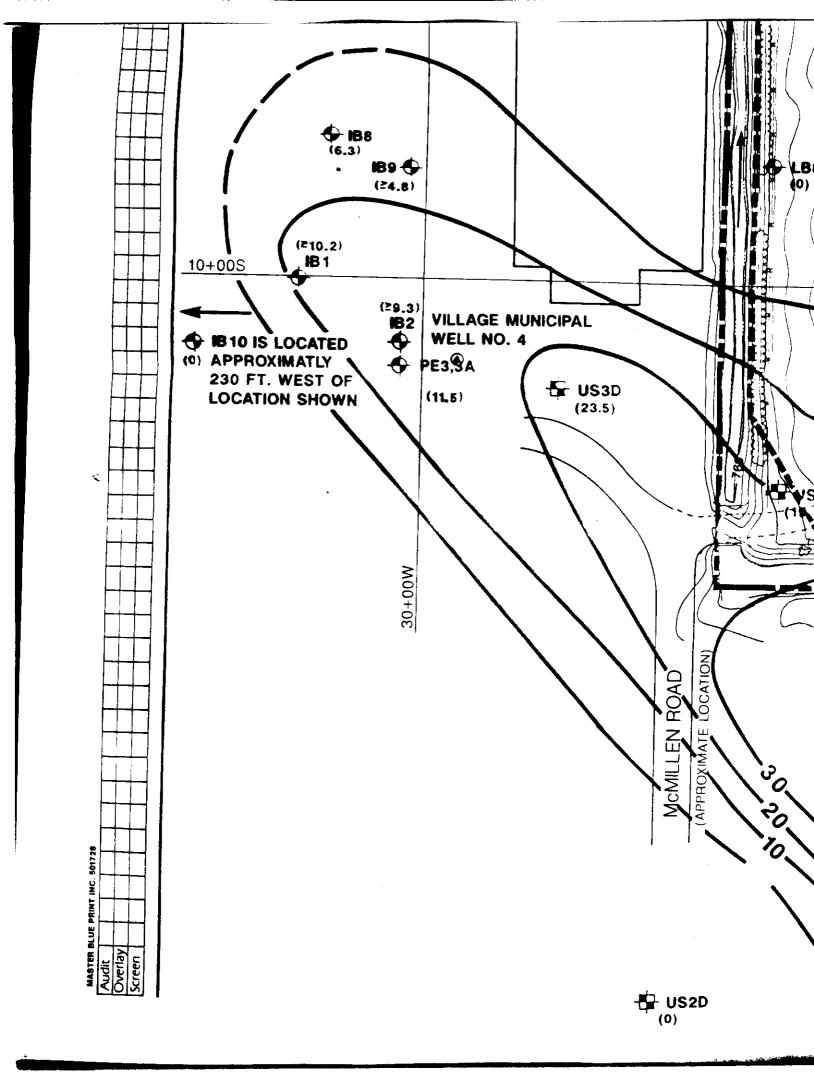


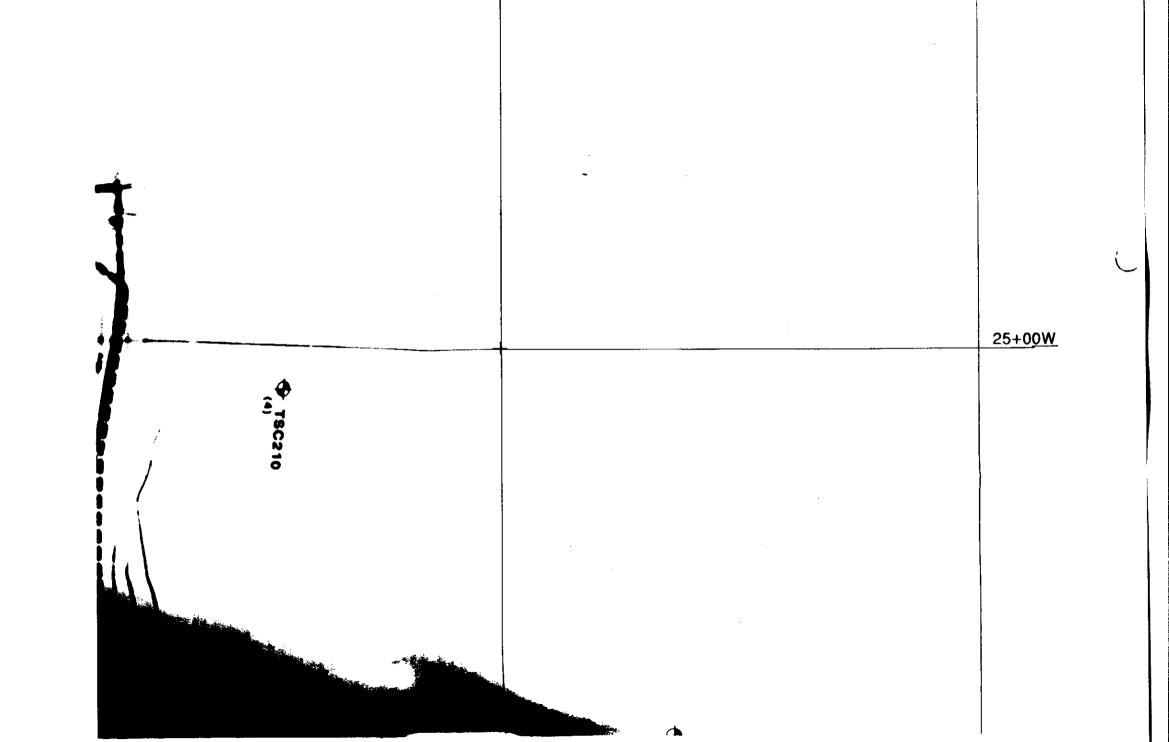


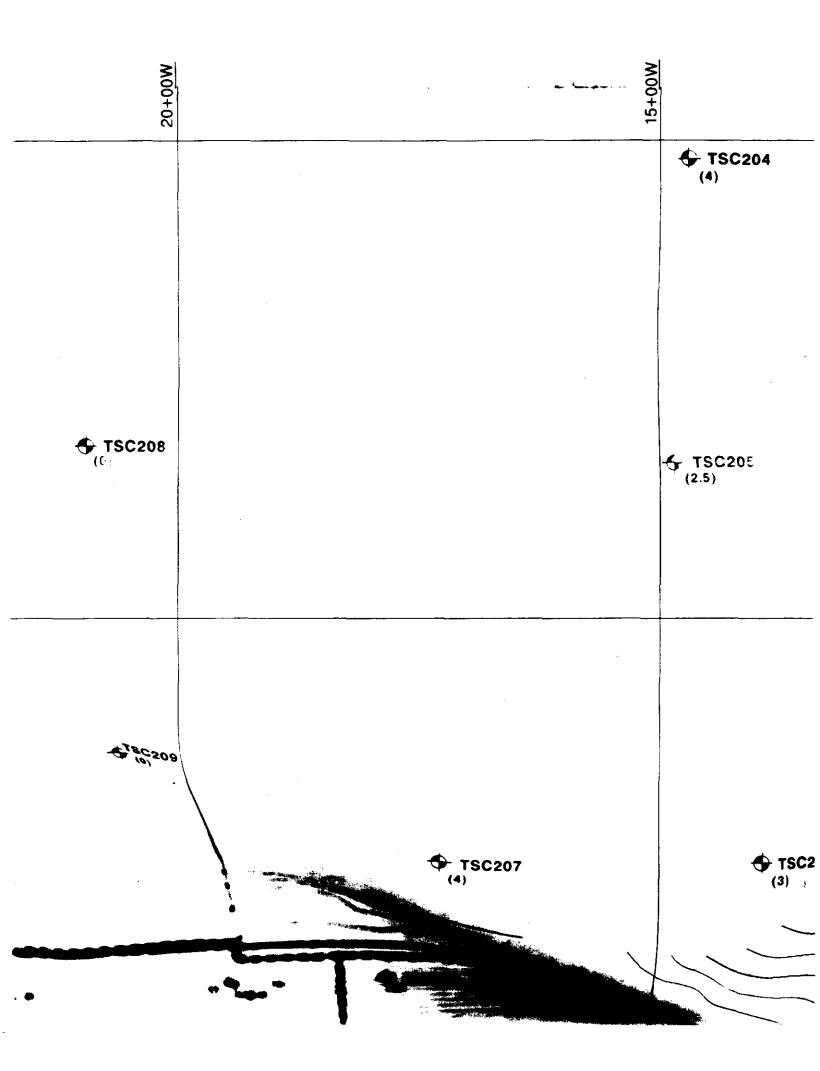


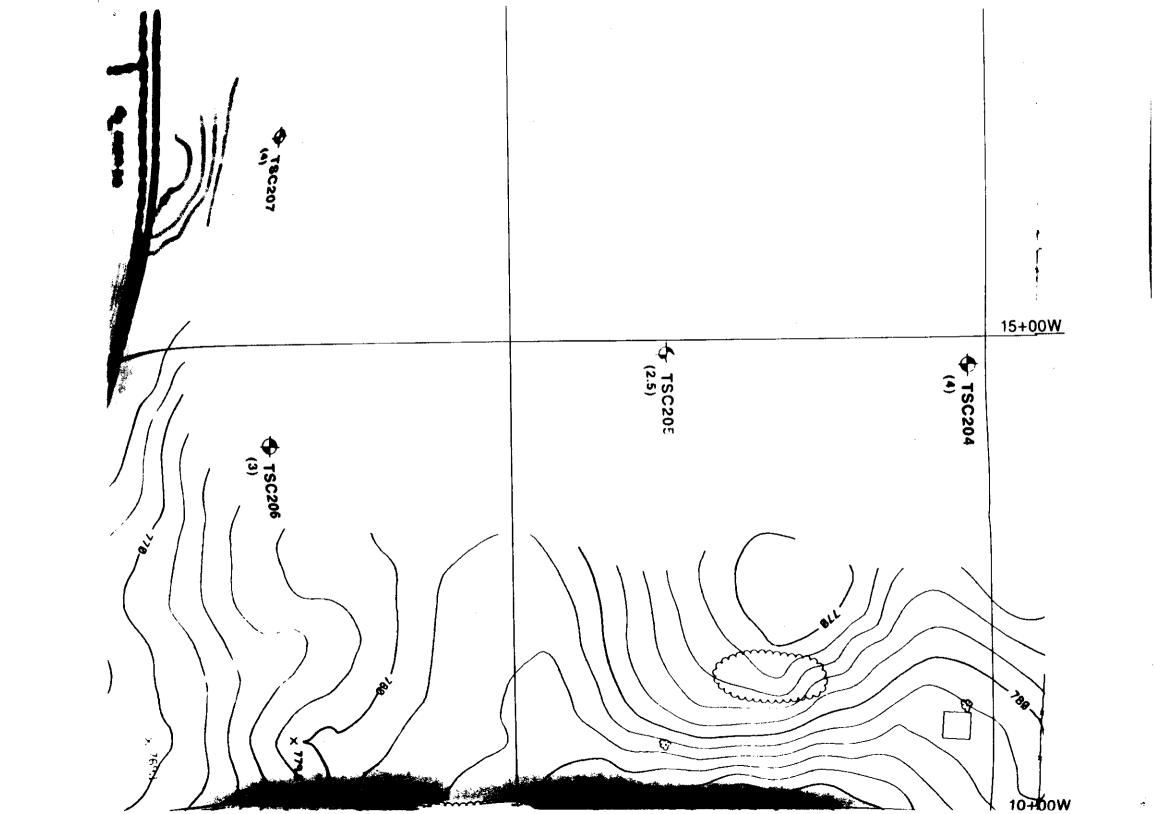


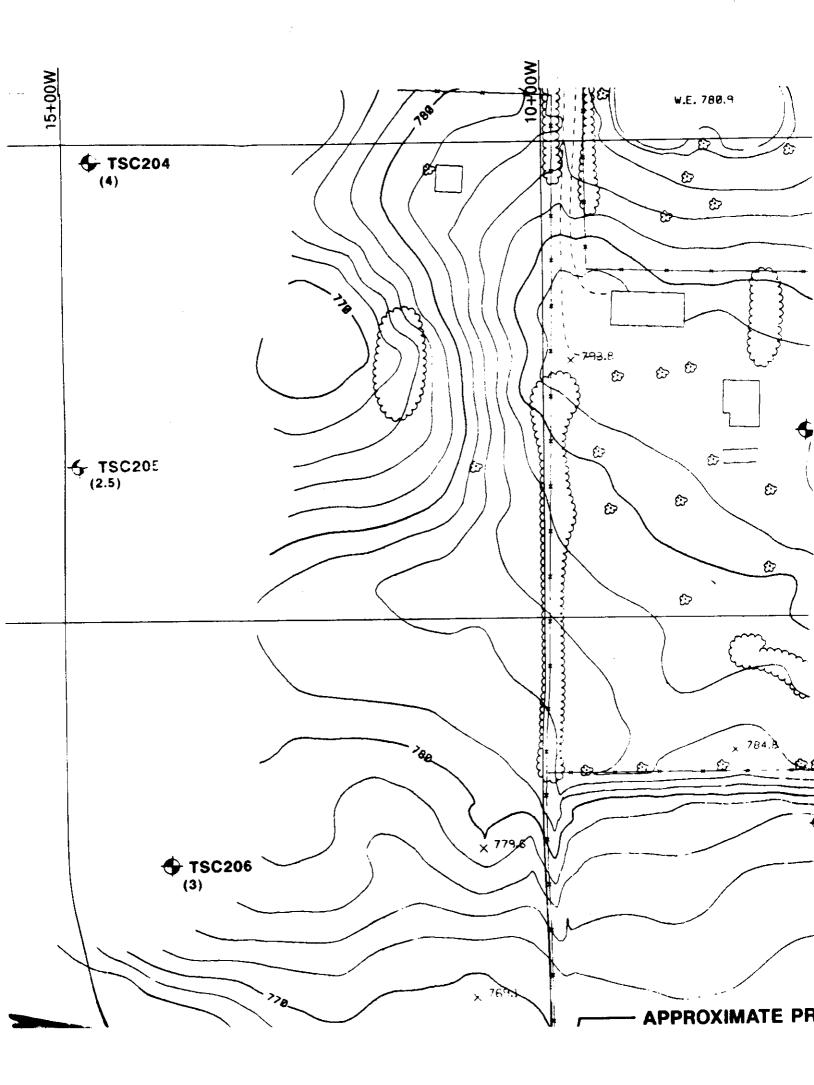


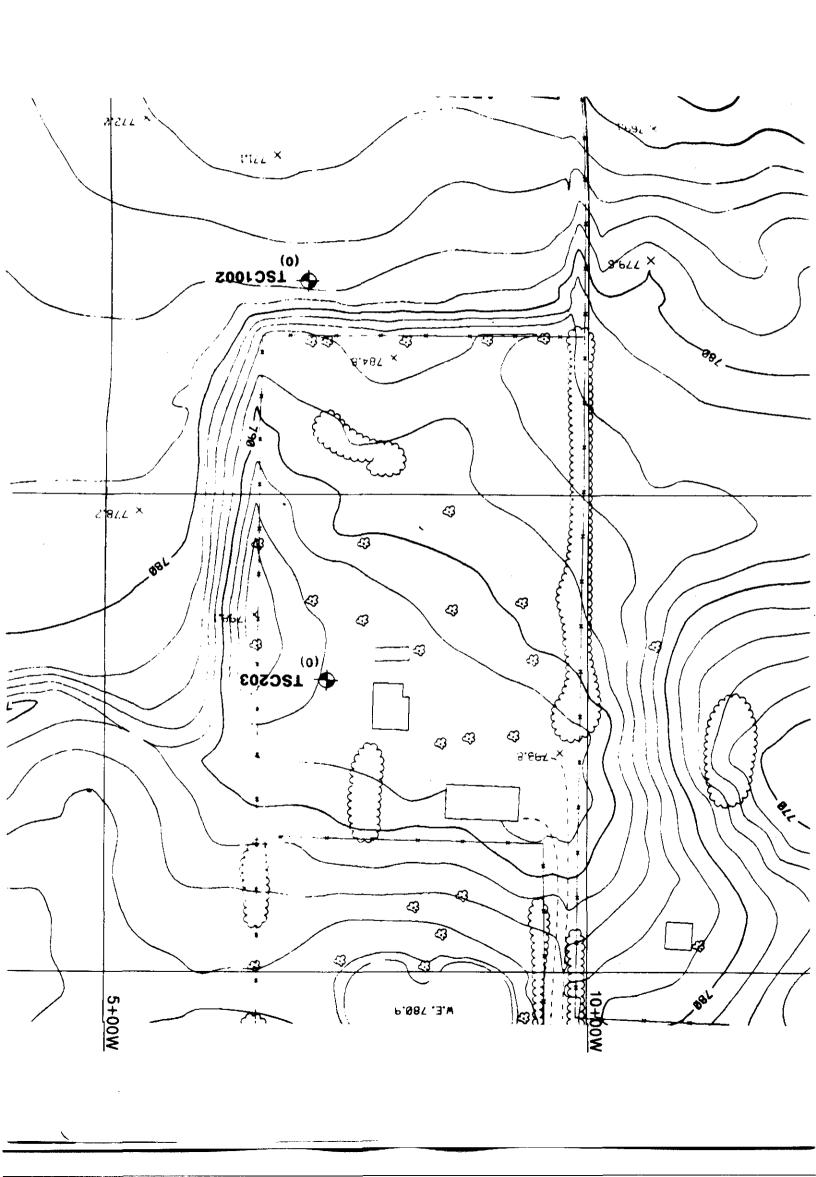


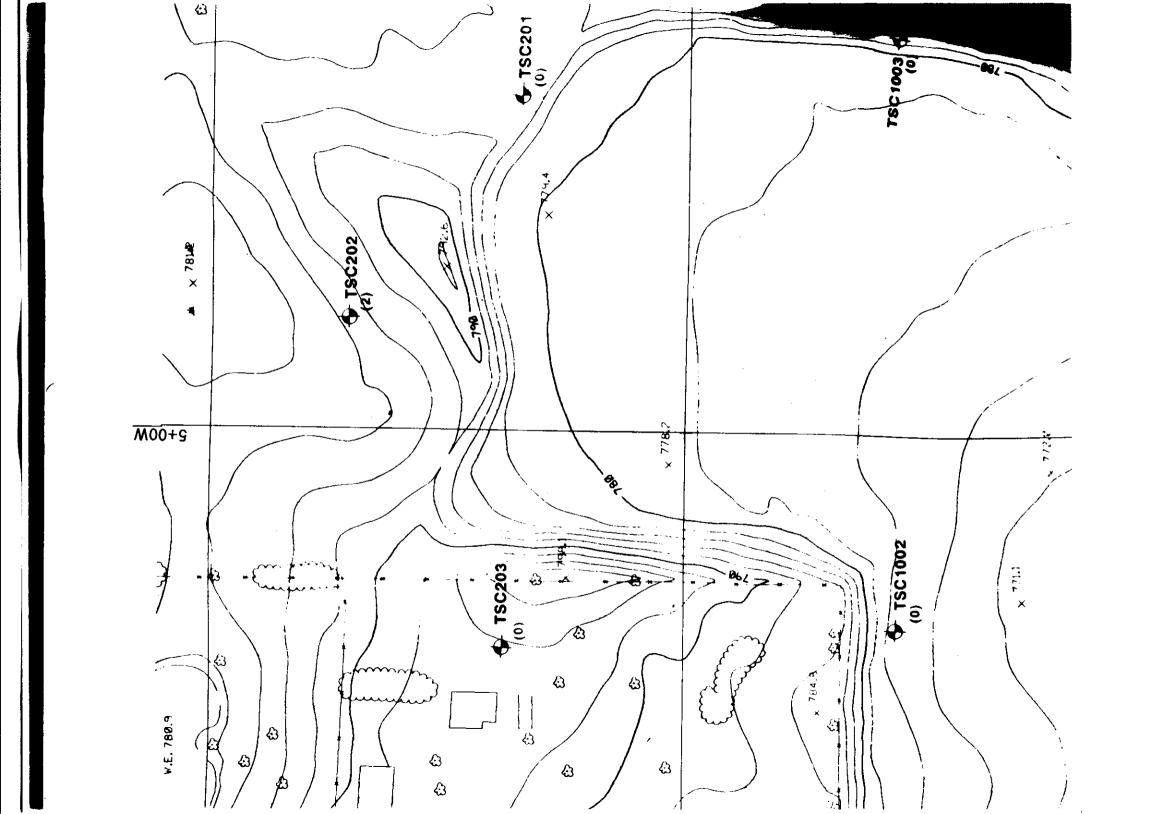


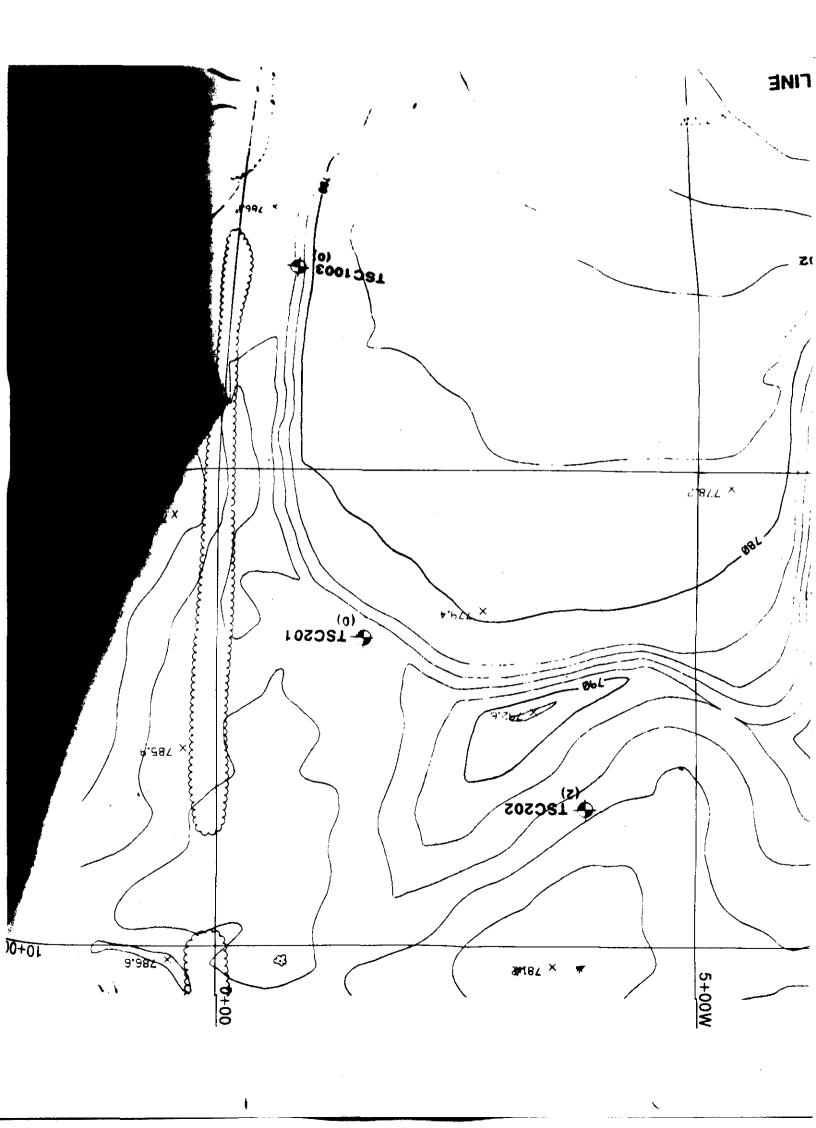


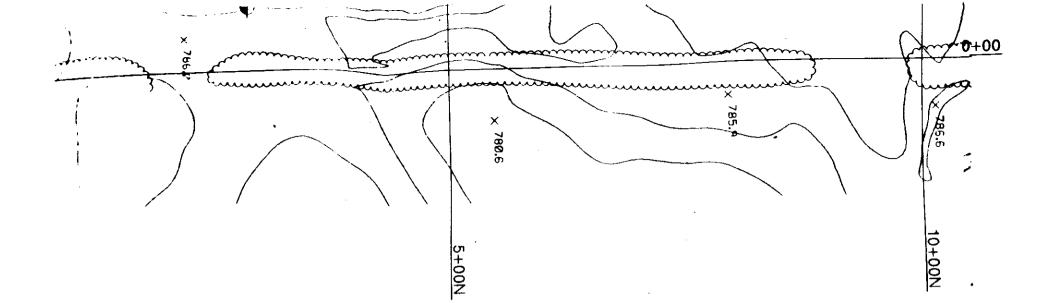












WARZYN	Designed By:	Drawn By: JC, PLF	Checked By:
WARZYN ENGINEERING INC.	Approved By:		Date:
à.			Reference:
	1		
	© 1988 • Warzyn Engineerin	g Inc. • All Rights Reserved.	····